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Unassigned

For: HUMAN GENES, SEQUENCES AND EXPRESSION PRODUCTS-17

SEQUENCE LISTING

SECTION ____ of ___ SECTIONS,

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SEQUENCE LISTING

(1) GENERAL INFORMATION:

(i) APPLICANT: Haseltine, William

Rosen, Craig Ruben, Steve Dillon, Patrick Li, Haodong

Earle-Hughes, Julie

(ii) TITLE OF INVENTION: Human Genes, Sequences, and Expression

Products

(iii) NUMBER OF SEQUENCES: 1767

(iv) CORRESPONDENCE ADDRESS:

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(v) COMPUTER READABLE FORM:

(A) MEDIUM TYPE: Diskette, 3.50 inch, 1.4Mb storage

(B) COMPUTER: HP Vectra 486/33

(C) OPERATING SYSTEM: MSDOS version 5.0

(D) SOFTWARE: ASCII Text

(vi) CURRENT APPLICATION DATA:

(A) APPLICATION NUMBER: 08/401,881

(B) FILING DATE: March 10, 1995

(C) CLASSIFICATION:

- (vii) PRIOR APPLICATION DATA:
 - (A) APPLICATION NUMBER:
 - (B) FILING DATE:
- (viii) ATTORNEY/AGENT INFORMATION:
 - (A) NAME: Olstein, Elliot
 - (B) REGISTRATION NUMBER: 24,025
 - (C) REFERENCE/DOCKET NUMBER: 325800-306
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 - (A) TELEPHONE: (201) 994-1700
 - (B) TELEFAX: (201) 994-1744

(2) INFORMATION FOR SEQ ID NO:1:	·
 (i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 272 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: double (D) TOPOLOGY: linear 	·
	••
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1:	
GGNANAAAGG AGGAGCACGA GGTGGCTGTC CTGGGGGGCGC CCCAAAACCC TGCTCCCCCA	60
ANGTCCACCG TGAATCCAAA TCCGCAGCGA GAACCTCCGT GCCCAACCAT GTGNTGCTGG	120
TCCCTGTTCA ANACCCTCTT AATGAACCCC TGNTGCCTGG GNCTTAANAG CATTCGCCTA	180
CTCCGTGAAA GTNTAGGGNC AGGAAAGATG GTTGGCGACG TGAACCGGGG CCCAGGNNTA	240
TGCTTCCACC GNCAAGTGCC TGAAAATTTG GG	272
(2) INFORMATION FOR SEQ ID NO:2:	
 (i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 136 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: double (D) TOPOLOGY: linear 	·
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:2:	
GGAANACCAG CTCTGGGGGC ACGGCCCANC TTCCTTAAAA ATGTCTACTG TTCCANAAAA	60
TCCTGTNCAA GCCCAGCTTG AGGGGTAATC ACTCTANACC CCCAAGTCCA TATGGNTCTT	120
TAAAAGCCTA TNCTAA	136
(2) INFORMATION FOR SEQ ID NO:3:	
 (i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 68 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: double (D) TOPOLOGY: linear 	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:3:	60
GGCANAGNAA AAAAAAAAA AAAAAAAAA AAAAAAAAA AAAAAA	68
AAAAANN	80
(0) THEORY MICH FOR SEC ID NO:4:	

(i) SEQUENCE CHARACTERISTICS:

(A) LENGTH: 133 base pairs(B) TYPE: nucleic acid(C) STRANDEDNESS: double(D) TOPOLOGY: linear	
	-
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:4:	60
ATCCCCAACG TGNCCGGCCG ACACCAAGCT CTCCAAGATC AAGACTCTGC GCCTAGCCAC	60
CAGCTNACAT CGCCTGACCT GAATGGACGT GCTGGGCCAA GGGATGCACA GTCTGGGCGA	133
TNCCAAGGGC CTT	100
(2) INFORMATION FOR SEQ ID NO:5:	
 (i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 316 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: double (D) TOPOLOGY: linear 	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:5:	
GACTCAATCA TGGNTTGTGG TCTGGTCGCC AGCAACCTGT AATCTCAAAC CTGGAGAGTG	60 120
CCTTCGAGTG CNAGGCGAGG TGGCTCCTGC ACGCTAAGAG CTTCGTGCCT GNAACCTGGG	180
CAAAGACAGC AACANCCTGT NCCTGNACTT ACAACCCTNG CTTCAACGTC NACGAGAACG	240
CCAACACCAT CGTGTGCAAC AGACAAAGGT ACGGCGGGGC CTGGGGGGAC CGAGCAGCGG	300
GAGGCTGTCT TTCCTTTCCC AGNCTGGAAG TTTTTGCAGG GTGTGCATCA CCTTTGGACC	316
AGGNCCAACC GCCCTA	
(2) INFORMATION FOR SEQ ID NO:6:	
 (i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 333 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: double (D) TOPOLOGY: linear 	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:6:	60
GGCAGAGCCT GTCGGCCACC AAGGTAGTGC ACNGACCCAT GGGNCACCCG CAAGCACCTG	120
GTGCCCAAGG NACCTGGATA TNCGGCCTGT GAAAGACTCG GAACTCGTCT ATCTGCAGAG	180
CTGCACCTGA ACTTCTGCAT GAAGNAATGA GAAAGGTGNG CTCCCACGGG ANCACAAGAC	240
AGGNCAGTGC AACAAGGACA TCCAACGGAA AGCGAACATT GCGAGACCTT GATGTGCCTG CGGGCGTGGG TGACAACCCC TACACAGGAC CGCNTGGTCG AGCGGTGCCA TGTNAGTTAC	300
CGGGCGTGGG TGACACCCC TACACAGGAC CGCATGGTGG	

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	333 .
CATGGTGCTG TTACGTTCAA NNGCCGCAGT NTG	
(2) INFORMATION FOR SEQ ID NO:7:	
 (i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 84 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: double (D) TOPOLOGY: linear 	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:7:	60
GGCACGAGCC TATCGGCCAC CAAGGTAGTA CACNGACCCA TNGNCACCCG CAAGCACCNN	84
GTGCCCAAGG ACCTGGATAT CCGG	O# ,
(2) INFORMATION FOR SEQ ID NO:8:	•
 (i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 220 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: double (D) TOPOLOGY: linear 	• •
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:8:	
CNACCCAAGG CCAGGGATAA GGNGTGGATG CCGTCACCAA GTTGGGCCGC TTNGTCAAGG	60
ACATGAAGAT CAAGTCCNGG AGGAGATCNT TCTCTTCTCC TGCCCATTAA GGGTTCAANG	120
ACATGAMONT OF THE ATTACTOR OF	180
GAAGNAGACC CTGCCGGCCA GNGAACCGGT TNAAGGCTTT	220
(2) INFORMATION FOR SEQ ID NO:9:	
(i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 330 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: double (D) TOPOLOGY: linear	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:9:	60
GGCCCCTTTG GGCATGGCTA TGGGGAGGGG GCTGGAGANG GTATCGATGA TGCTGAGTGG	120
GTGGTGGCCA GGGACAAGCC CATGTACGAC GAGATCTTCT ACACCCTGTC ACCGGTTGNT	
GGCAAGATCA CAGGCGCTAA TNCCAAGANG GAGATGGTGC GCTCCAAGCT GCCCAACAGT	240
CTCCTGGGCA AGATCTGGAA GCTGGCCGAC ATTGAACAAG GATGGCATGC TGGTACGACG	240
AACGAGTTTG GCACTGGNCC AACCACCTAC ATNCAAAGTT CAAGCTGGGA GGGGGCACGA	300

GCTNACCCAA CNAGCTGGCC TNACCCACCT	330
(2) INFORMATION FOR SEQ ID NO:10:	
 (i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 113 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: double (D) TOPOLOGY: linear 	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:10:	
TTCCAAGAAC GTCATGATGA TCCAGTCCTG CAAATGCAAC TACAACTGCC CGCATGCCAA	60
TGANGCAGCG TTTCCCNTCT ACAGNNTGTT CAATGACATT CACAAATTNA GGG	113
(2) INFORMATION FOR SEQ ID NO:11:	
 (i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 384 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: double (D) TOPOLOGY: linear 	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:11:	
GGCANAGNAG AACGCAGAGT ACAAGCAATT GCTGGGACAT CAAGACACGC CTGGNGGTGG	60
AGATCNNGAC CTACCGCCGC CTGCTCGATG GAGAGGGAGG TGGTTCTAGT TTTGCAGAAT	120
TTGGTGGTAG AAACTCAGGA TCTGTAAAAC ATGGGATCCA GGGATCTGGT NATCCNGGTG	180
ACTCAAGATC TGGAAGCTGT TCTGGTCAAG GACGAGATTC AAGCAAGACT AGAGTGNACT	240
AAGAACTATN GTTAGAGGNG TTGGTGGATG GCAAGGTTGT CTCGTTCTCC AAGTCCAGCA	300
GTATTTCTGA GGGTNGAAAG TTTAAATAAG GGACCTTNCC AGTTCAACAA AAGTGTTCTT	360
TTNCAAGGGN ANAAAAATTC CAGG	
(2) INFORMATION FOR SEQ ID NO:12:	384
(i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 395 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: double (D) TOPOLOGY: linear	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:12:	
GGCAGAGCCC AGAAGAACCA CATCCCTNTT TTTAGTCCCG CACTTACAGA CGGNTCGCTG	60
GGCGACATGA TCTTTTTCCA TTCCTACAAG AACCCGGGCC TGGTCCTGGA CATCGTTGAG	120

GACCTGAAGG CTCATCAACA CACAGGCCAT CTTTNCCAAG	TGCACTGGGN	ATGATCATTC	180
TGGGCGGGG CGTGGTCAAG CACCACATTG CCAATGCCAA	CCTCATGCGG	AANGGGGCCG	240
ACTTACGCTG TTTACATCAA CACAGCCCAG GAGTTTGATG	GCTCTGAACT	CAGGTGCCCG	300
ACCAGACGAG GCTGTTNTCC TGGGGCAAGA TNCGGGTGGA	TGCACAGNCC	GTCAAGGTTT	. 360
ATGCTGGAGG CNTNCCTGGG TCTTTCCCCC TGGTT			395
(2) INFORMATION FOR SEQ ID NO:13:			
 (i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 439 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: double (D) TOPOLOGY: linear 			
		•	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1	3:		•
GGCACGAGGC CTTCAGCAGA GGTCAGATGC AGAAGCCATT	TGAAGACGCC	TCGTTTGCGC	60
TGCGGACGGG GGAGATGAGC GGGCCCGTGT TCACGGATTC	CGGCATCCAC	ATCATCCTCC	120
GCACTGAGTG AGGGTGGGGA GCCCAGGCCT GGCCTCGGGG	CAGGGCAGGG	CGGCTAGGCC	180
NNCCAGCTCC CCCTTGCCCG CCAGCCAGTG GCCGAACCCC	CCACTCCCTG	CCACCGTTCA	240
CACAGTGATT TTATTGTTCC CACAATGGCT GGGAAGGGGG	CCCTTTCCAG	ATTGGGGGCC	300
CTGGGGTCCC CACTCCCTGT NCCATNCCCC AGTTGGGGCT	GNGAACCGCC	AATTTTTCCT	360
TTAAGTATTG NATTTCAGNA NGGGTGGGAG GTTCCCAAAC	CCAGGCATNT	GGTGGGAGGG	420
GTGTTTCCAA AGAGAAAGG		•	439
(2) INFORMATION FOR SEQ ID NO:14:			
(i) SEQUENCE CHARACTERISTICS:(A) LENGTH: 317 base pairs(B) TYPE: nucleic acid(C) STRANDEDNESS: double(D) TOPOLOGY: linear			
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1	4:		
GGCAGAGNAC AAGGGCCGTG GCCGCTTCGC CCTCATCATC	TATGAGAACA	TCCTCAAGTA	60
TGTCAACCTG GACGCCTGGN AACCGGGAGC TGCTGGGACA	AGTACTGTGT	GGCCTACGGC	120
GTGGGCATCA TTGGCTTCTT CAAGGCCAAT GAGGAACAGC	CTGCTGAGTG	CGCATTCAAG	180
GGCTTTNNCC TGTTCCCTGC ACTCAAACCT GGGCCTGAAG	GGACTGCAGC	ATCAACCCCA	240

AGTCCCCGTT GGCTTCTACG TGGACGCGAA CCTNAGGNGA GGGTTGGNAG GAAAGGTTGT

300

TGCTTTCNCC CGGGTNG	317
(2) INFORMATION FOR SEQ ID NO:15:	
 (i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 336 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: double (D) TOPOLOGY: linear 	,
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:15:	
GGCAGAGCCA ACATTGAGGC CAACGAGAGT AAGGNGGTCC GGCAGTTCCG GAGNACTCTT	60
TGCCCAGCTG GCTGGAGGAT GACATGGAGG TCAGCGCCAC AGAACTCATG AACATTCTTC	120
AATAAGGTTG TGAACACGNA CACCCTGATC TGAAAGACTG ATGGTTTTGG CATTGACACA	180
TGTCGCAGCA TGGTGGCCGT GAATGGGATA GCGNACACCA CAGGCAAGCT GGGCTTTGGA	240
GGGAATTTCA AGTNACTTGT GGGAACAACC ATTCAAAAAG GTGGNCAGGN CATATTACAA	300
ACAGTTTCGA CAATGGNACC GATTCNGGGA CCATTT	336
(2) INFORMATION FOR SEQ ID NO:16:	
(i) SEQUENCE CHARACTERISTICS:(A) LENGTH: 311 base pairs(B) TYPE: nucleic acid(C) STRANDEDNESS: double(D) TOPOLOGY: linear	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:16:	
GGCAGAGCCA CAACCTCCCT GGCTCCTACC GCTGTGACTG CAAAGCCGGC TTTCAGCGGG	60
ATGCCTTCGG CCGGGGCTGC ATCGACGTGA ATNAGTGCTG GGCCTCGNCA GGCCGCCTGT	120
GCCAGCACAC GTGTGAGAAA CACACTNCGG CTCCTNACCG CTGTTCCTGC GCCTCCGGGT	180
TCCTGGCTAG CAGCGGNACG GCAAGCGCTG TGNAAGACGT GAATAAGTGT GAGGCCCANC	240
GCTGTCAGCC AGGTAGTNTG CCAACATGNT TATGGGNTCC TACCCAGTGG TACTGCCGCC	300
AGGGGTTACC A	311
(2) INFORMATION FOR SEQ ID NO:17:	
 (i) SEQUENCE CHARACTERISTICS: (A) LENGŢH: 395 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: double (D) TOPOLOGY: linear 	

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1	7 :		
GGCAGAGNAC AAGGGCCGTG GCGCTTCGCC CTCATCATCT	ATGAGAACAT	CCTCAAGTAT	60
GTNAACCTGG ACGCCTGGAA CCGGGAGCTG CTGGACAAGT	ACTGTGTGGC	CTACGGGTGG	120
GCATCATTGG CTTCTTCAAG GCCAATGNGA ACAGCCTGCT	GAGTGCGCAT	CAAGGGCTTT	180
NCCTGTTCCT GCACTCAAAC CTGGGCCTGA AGGACTGCAG	CATCAACCCC	AAGTCCCCGC	240
TGCTCTACGT GACGCGACCT AGGGAGGTGG AGAAAGGTGT	GCTTCCCCGG	NGNAGGACTG	300
GGACGGTTTT TCCAGTTCAA ATCACTCCAN CTATGGAGCC	CATNCTTGTN	GGNCANGACG	360
GGGTTGGTTT TGAAGTTCCA TGCCCACAAC TGGGG			395
(2) INFORMATION FOR SEQ ID NO:18:		•	
 (i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 429 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: double (D) TOPOLOGY: linear 			
		: · .	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:18	3:	•	
GGCAGAGCCA CAACCTCCCT GGCTCCTACC GCTGTGACTG	CAAAGCCGGC	TTTNAGCGGG	60
AATGCCTTCG GCCGGGGCTG CATCGACGTG AATGAAGTGC	TGGGCCTCGC	CAGGCCGNCC	120
TGTGCCCAGC ACACGTNTGA AGAAACACAC TTCGGCTCCT	ACCGCTGTTC	CTGAGACCTC	180
CGGGTTCCTG CTNAGCAGCG GACGGCAAGC GCTGTGNAAG	ACGTGNAATG	AAGTGTGAAG	240
GCCCAGCGNT TGCAGCCAGG NGTNTGGCCA ACATCTTATG	NGCTTCCTAA	CCCAGTGGNT	300
ACTNNCCGNC CAGGGNTNAC CAGCTTGGCT TGAAGGGATT	GGGGCACAAC	TGCAACAGAC	360
ATTCGGACGA GTTNTGCTTC AAAGGGNGGC CGGAATCCTT	TTGNAACTTT	CCGTTGTTNT	420
TNAAAGTTG			429
(2) INFORMATION FOR SEQ ID NO:19:			
 (i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 129 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: double (D) TOPOLOGY: linear 			
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:19			
CTCACTGCCA GTTCGTGCTT GAGCATCGTT CTGTGCAGGA	GGAAGCCGGC	TTTCACCGGC	60
AGGCGTGGTG TCAAATGCCC GTTAATTGTT AGCGGACACG	AAAACCAGGC	CATTACTCAC	120

AGTATAACG	129
(2) INFORMATION FOR SEQ ID NO:20:	
 (i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 213 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: double (D) TOPOLOGY: linear 	·
	-
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:20:	
CTTNAGCATC GTTCTGNGCA GGAGGAAGCC GGCTTTCACC GGCAGGCGTN NTGTCAAATG	60
CCCGATAATT GTTAGCGATA CACGACAAAC CAGNCGCATT CACTCNACAG TATAACGNCA	120
GGCCAGTCGT CATAAACCGT TCAGGGGAGG AGCCCGGTCA CCCAATTGCG CCCCTGATAA	180
GTGCNGTNCG ATATTACAAA TTNCACTTGN TCC	213
(2) INFORMATION FOR SEQ ID NO:21:	
 (i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 115 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: double (D) TOPOLOGY: linear 	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:21:	60
AAAAAAAA AAAAAAAA AANANAANAA AAAAAAAA AAAAANAAA AAAANG	115
(2) INFORMATION FOR SEQ ID NO:22:	
 (i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 60 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: double (D) TOPOLOGY: linear 	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:22:	
GCACGAGCC CCCCTTTTTT TTTTTTTTT TTTTTTTTT TTTAAANGNT TNANNTTTTT	60
	60
(2) INFORMATION FOR SEQ ID NO:23:	
(i) SEQUENCE CHARACTERISTICS:(A) LENGTH: 180 base pairs(B) TYPE: nucleic acid	

(C) STRANDEDNESS: double

(i) SEQUENCE CHARACTERISTICS:

(D) TOPOLOGY: linear	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:23:	
GGCACGAGCG CATGGGNGTC ATCCTCTGGG GTGACGCTNG GGTACACCAC AAGCACGGAG	60
ACCTGCCAGT ACCNCAAAGA TTACCTGACA CGGCTGCTGG TCCCCTACGT GGTCAATTTG	120
TCCTGGGCCA CCGNGTATTG CAGCCNGGCC GAGTGCCATG GCCGTNGNCG GCTGTGTGCN	180
	180
(2) INFORMATION FOR SEQ ID NO:24:	,
(i) SEQUENCE CHARACTERISTICS:(A) LENGTH: 128 base pairs(B) TYPE: nucleic acid(C) STRANDEDNESS: double(D) TOPOLOGY: linear	
	•
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:24:	
TNCCATGNCA CGATATTTCC GCCAAGGACA TCGACGGGCA CATGGTTAAC CTGGNACAAG	60
NACCGGGGCT TCATGTGCAT CGTCACCAAC GTGTGNCTCC CAGTGAAGGN AAGAACCGAN	120
GTAAAACT	128
(2) INFORMATION FOR SEQ ID NO:25:	
 (i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 300 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: double (D) TOPOLOGY: linear 	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:25:	
CACCGCCTAT GGTNCTGACG CCAGGCCTGG GCAGAGCCCG GGCGTCTGGA GGCGCTTNGN	60
NGCCGTNCTT GGGCTGCGGA AAGGCTCAGG ACCCAAGAAG GAGCGGAGAC GCACTGAGAG	120
CATTAACAGC GCATTCGGNT AGTTGCGCGA GTGCATCCCC AACGTGCCGG CCGACACCAA	180
GCTCTCCAAG ATCAAGACTC TGCGCCTAAC CACCAGCTTA CATCGTCTAC CTNATGGGAC	240
GTNNCTGGCC AAGGTGCACA GTCTGGCGAT CCCGAGGGCT TTCANGCTTG GAACTCAAGN	300
	300
(2) INFORMATION FOR SEQ ID NO:26:	

(A) LENGTH: 186 base pairs(B) TYPE: nucleic acid(C) STRANDEDNESS: double(D) TOPOLOGY: linear	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:26:	
TGNGTGAGGT GGCCCTGGGC AGAGAGCACC NTATCANCTT GGACAACCCC AGCTTGAAGA	60
GCCCACCTCC TGGCTTCGAC AGTNTCATTG CCCGAGGCCA CACCGAGNCT GATCCGACCC	120
AGGACACTGA GTTGGAGCTG GATGGGCCAG CAAGTGGTGG TNCCCCAGGG CCAGCCTGTN	180
CCNTGN	186
(2) INFORMATION FOR SEQ ID NO:27:	
 (i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 210 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: double (D) TOPOLOGY: linear 	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:27:	
TCTGNCCNTG TCATCGNAGA CTTCANGGTC TTAGCAGGGG ACAAGAACTT CATCACAGCT	60
GAGGAGCTGC GGAGAGAGCT GCCCCCCGNC CAGACCGAGT ACTGCATCGC CCGCATGGGG	120
NCCATACCAG GGCCCTGACG CCGTGNCCGG NGCCCTCGAA CTTACAAGTC CTTCTTCACG	180
GGCTTTGTAT GGCGAGAGGG NNCTGTGAGG	210
(2) INFORMATION FOR SEQ ID NO:28:	
(i) SEQUENCE CHARACTERISTICS:(A) LENGTH: 307 base pairs(B) TYPE: nucleic acid(C) STRANDEDNESS: double(D) TOPOLOGY: linear	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:28:	
GGCAGAGGNC AAGCCGAAGA AGCCCAACTA ACCCAATCGN AAGTNCCTGT CAAGTNCGGC	60
TNAGCATGGC CGNAAGCNNN TGCCTTNANC CCTGGGGAGG GCCACACCCT GCAGGAGCAC	120
CAAATTGTCC TTGTGGAGGG TGGCCGCACC CAGGAACCTG CAAGGCGTNA AGCTTCACCG	180
TTNTGCGTGG NAAGTTANGA CTNTGGGCCA CGTGCCAGAA GAAAGTGAAC GGCTNGGGGC	240
ACAGTGGGCT GGGNGCCCCT NCAGAACATG AAACCTTTCC GNTTCTGGGT TGCNAAAGGG	300
TTCCTCC	307

(2) INFORMATION FOR SEQ ID NO:29:

(i) SEQUENCE CHARACTERISTICS:

(A) LENGTH: 421 base pairs

(B) TYPE: nucleic acid

(C) STRANDEDNESS: double

(D) TOPOLOGY: linear

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:29:

GGCACGAGAG GGCTGGTGCC GGGANTCCAC GACAGACGAG CAGCTATTCA GGTGTGAAGC 60
TGTCAGTGGA GAAGTCCACA GTGCCTGCAG TCTGAGCTGG GAATCCTGTG AAGAGGCTGG 120
CAGGAGCTGG GAGCCTGAGA AATGAAATGG TGCCTGCTTA CCATCATCCT GCTGGATGCG 180
GGGCACTGGG ACCCCCTGCT GTNATGAGAA AGGAAGACCC TGGCAGTGAC TTTGGGGACC 240
CTCAAGGCCG TGGGACCCCA TGCGGGCAAC GTGATCTGGG TTGGACCTGC GCAAAGNTTN 300
CTTTGCTGGG AGGTTTAGCG TGGTTCAAGA TGGGAGTNAT GCCCGAGGTT GCGTGTGCTT 360
GGCANCTGGG TTCACAAAGG TTCTTNAANA ATGCTTTTGN CCATTTGGGG AACAATTGCT 420

(2) INFORMATION FOR SEQ ID NO:30:

(i) SEQUENCE CHARACTERISTICS:

- (A) LENGTH: 387 base pairs
- (B) TYPE: nucleic acid
- (C) STRANDEDNESS: double
- (D) TOPOLOGY: linear

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:30:

(GGCAGAGCNA	ANCCCAGACA	CAAGTTTTCA	CTCCTTCCTG	CGAGCCCTGA	GGAAGCCTTA	60
(CTGGGCAGCC	CCGGGCTCAT	TGAAATGCCC	CGGNATGACT	TGGCTAGTGC	AGAGGGAATT	120
(GAATGGTAAA	CCACCGGGGT	GAGAAGGGAA	GGCTCCCCAT	CTNCAGCCAG	CCACATCCAC	180
Ž	AAGGTGTGTG	TAAGGGTGCA	GGCGCCGGCC	GGTTTAGGCA	AGGCTCTACT	GTCTGTTGCC	240
(CCTCCAGGAG	AACTTCCAAG	GGAGCTTTCC	CCAGACATGG	CCAACAAGGG	TCCTTCCTAT	300
(GGCATGAGC	CCCGNAGTGC	AGTTCCAAAA	TTCGGGAAGA	AGTTNTGACG	AGGTAGTTTG	360
1	NGGNGCGGTT	TGTNGGAGTG	GTTCATA				387

(2) INFORMATION FOR SEQ ID NO:31:

(i) SEQUENCE CHARACTERISTICS:

(A) LENGTH: 361 base pairs

(B) TYPE: nucleic acid

(C) STRANDEDNESS: double
(D) TOPOLOGY: linear

(i) SEQUENCE CHARACTERISTICS:

(A) LENGTH: 127 base pairs(B) TYPE: nucleic acid(C) STRANDEDNESS: double(D) TOPOLOGY: linear

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:31: GGCAGAGGGA ACACCCAAGG GTTGATATTT GTGGTCGACA GCAATGATCG GGAAGCAAGT 60 AAATAAGGCC CGGGTAGAGC TGATGNGAAA TGCTGGCGGN GGAACGNAGC TCCGGGAATG 120 GCTGTGACTC CTTGTCTTTG CCAAACAAAC AGGTNTCTGC CTGAATGCTC ATGAANCGNC 180 TGCTGAGAAT GCACAGACAA GCTGGGCCTG NCATTCCCTT TCGTNCACCG TTAACTGGTT 240 ACATTGCAGG CCACCTGTGC CCACCAGCGG GGNACGGGGC TGTNACGAGG GCCTGGTATG 300 GCTGGGCCAT TCAGCTTCAA AANCAAGAAG TGNAAAGCCA GACAGCCCTA ACAAAGTACC 360 N 361 (2) INFORMATION FOR SEQ ID NO:32: (i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 499 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: double (D) TOPOLOGY: linear (xi) SEQUENCE DESCRIPTION: SEQ ID NO:32: GGCAGANAAC GGGATCCACT TCCGCAAGNC CCTTTGGNAA GGCCGGGTGG GCCANGCCTC 60 AAACTATGGC ATGAAACTCC CAATCCTGCG TTCCAACCCT GAAGGACCAG ATCCTGTATC 120 AAACTGAAGC GGTACAATGA AGGAGACCTT TGGCTACGAA NTGCCCCATT CAAAGAAGGA 180 GGGGGGACTT ACGTGCTGGT CTTGAAATTT GCAGAGGTCT ACTTTGCACA GTCCCAGCAA 240 AAGGTATTTG AATGTTACGA TTGANTGGCC ACGTCTGGTG NAAGGGACTT GGGATATCTT 300 TGAATCGTGT TGGGGCANTA GCACAGTTCA CGGTTGAAAT TATTACCTAT GAAGCATTCA 360 GAAAGGGGGA AGCTGAGTTT TCCAGGGGGA GGTGTTCCAC CTTTCACAGG GGAACTTTAC 420 ATTGAÇTTTT NTTAAGGGGT ACTTTGGACA TTCCCAGGTT TNTGCACTTT ACATCATGGT 480 TGGGACCATG GGNTGTTTA 499 (2) INFORMATION FOR SEQ ID NO:33:

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:33:	
GGCACGAGGG TGAACGTCAT CGCNTCGAAA GCGTCGNAAT AAGACGCACA CGTTGTCCGC	. 60
NCGNTGCTGG GTCNAAGGCC TACCACCTTC AGAAGTCGAC CTGTGNCAAA TGTGGGCTAC	120
CCTGTCA	127
(2) INFORMATION FOR SEQ ID NO:34:	
 (i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 290 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: double (D) TOPOLOGY: linear 	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:34:	
AGGCCCNTNC CANTTCNGGG CCCCAACCCG TTTNTCCTGG GGGACCGTGA GAAGGTTTGT	. 60
TGCCCCAAAA ACCCAGGAGA AGGCCAGGCC GTTTTGGACC GTTTAAAGGT NTTTNACGGT	120
ATCCCACCGN CTTNCGACAA GAAAAAGCGG GNTGGTGGTT TCCTGCTGCC CTAAAGGTCG	180
TGCGTTNTAN AGCCTAAAAG AAAAGTTTGC CTTTTTTTGG GGGCGGCTTT GGTTTAAGGA	240
GACTGGTTGN AAGTTACCCA GGNAGTTGAC ANGCCANCTT GGNGGGGGGA	290
(2) INFORMATION FOR SEQ ID NO:35:	
 (i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 296 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: double (D) TOPOLOGY: linear 	
·	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:35:	
GGCAGAGCTG TTCCCTNCCA CTGGNTGAGG NATCCTGCAC TGCNTACACC CTGAGNTGGA	60
AACATCGGGN TGTGANAGGT AGCACAGAGG NCTGTNCCCT TTTGTTTATG GTGGNTGTGG	120
AGGGAATGNC AACCGTTTTG GNAANCCGTG AAGGNACTGA GAAGAGNCCG CTGACCCACC	_ 180
CCGGGTGGTA ACAGAGACCA GGGGGACAGG TACTTCCCAG GAACTGAGGG NNCAGATTAT	240
TGNGNTGAGG TTCAGCATCC CCTGGAGGNG TCGGGGTTTC CGCAGAACCC CACTTT	296
(2) INFORMATION FOR SEQ ID NO:36:	
(i) SEQUENCE CHARACTERISTICS:(A) LENGTH: 352 base pairs(B) TYPE: nucleic acid(C) STRANDEDNESS: double(D) TOPOLOGY: linear	

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:3	6 :		
GGCANAGGGA ACTTAAGCAA AAAATCAAAG ACATAAATNA	TCAGATGGAT	GAGTCTTTCA	60
¬ GAGAGTTGGA TATGGAATGT GCTCTTTTGG ATGGAGAACA	GAAATCTGTA	AACAACTGGA	120
ACTTATGNAA GGAGNAAGGA GATTTTGGAT CATCTAAACC	GGNGAATAGC	TGANCTGGGA	180
AAAGAAACAT TGTTGGTGAA AAGACCAAGG ATGCTGACCT	GTTTGATGTT	GAAAGCAAAC	240
ACTTTGNAAG ACCTGGGAGT TCCAGCAGCT TGTAACATGA	GAGCCGTCTA	GATGTAGAAA	300
AGGTGGAACT TNGACTNCAA CAGCTCCNGC GTGNAAGTTG	CTTGNATATT	СТ	352
(2) INFORMATION FOR SEQ ID NO:37:	•		
 (i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 58 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: double (D) TOPOLOGY: linear (xi) SEQUENCE DESCRIPTION: SEQ ID NO:3° GGCAGAGCCC CTTTTTTTT TTTTTTTTTTTTTTTTTTT		AAGGGGG	58
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:3	3:		
GGCACGAGGT AAATNTGGTG TTTCTCCTAG CTGTAAACTG	TGTCCTAATC	AGGATGGAAT	60
TTNNAAGGAG ACAGATGCTG GAAGATGGGT TCATATTGTT	TGTCCCCTGT	ATGTNCCTGG	120
AGTAGCCTTT GGAGATATTG ACAAATTACG ACCAGTAACA	CTAACGGAAA	TNAACTATTC	180
CAAATATGGT GCCAAGGAGT GTAGCTTTTN TAAAGACCCT	CGCTTTGCTA	GANCTGGGGT	240
TTGCATTAGC TGTGAATGCA GGGATGTNCA GAGCCTATTT	CCATGTGAAC	CTGTGCTCAA	300
AAGGAAGGTC TGCTTTCAGA GGCAGCGGGC GGAAGAGGNT	ATTAGCAGNT	CCATTCTTTG	360
CTTATTGTAA GCAACTNGCA GNTAGGTTAG TNAGAAAGTG	GGA		403
(2) INFORMATION FOR SEQ ID NO:39:			

(i) SEQUENCE CHARACTERISTICS:

(A) LENGTH: 189 base pairs(B) TYPE: nucleic acid

(C) STRANDEDNESS: double (D) TOPOLOGY: linear	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:39:	
AGGGCGNGGA TTGGCCCGGG CCTGGCGGCC CGCGGGANCC TCAAGCCCAC GGNCAGCAAG	60
CTNGGCGCTC CGCTGAGNTC CTGCAGGGGC TGCCCGAGTG CACGCGTTGN GCCACGGTCA	120
TCGGGNCACC ATCGTCAAGG CACGGGGCAA GCTCNNNCAT CCCGAGTGCT TCATGTGCAG	180
TGACTGGGG	189
(2) INFORMATION FOR SEQ ID NO:40:	
(i) SEQUENCE CHARACTERISTICS:(A) LENGTH: 488 base pairs(B) TYPE: nucleic acid(C) STRANDEDNESS: double(D) TOPOLOGY: linear	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:40:	
GCAAACCGCA TCANCTTTCC GGTGGTCAGC GACAACGTGT GGCCCTGGCC CGAAGCCTTG	60
CGAAGGCCCG AAACTATTAC TGCTCGATGA GCCGATGGGC GCGCTGGATA AAAAGCTGCG	120
TGACAGGATG CAGCTTGAAG TGGTGGATAT TCTGGAGCGC GTCGGTGTGA CTTGTGTNAT	180
GGTCACCCAC GATCAGGAAG AGGCGATGAC CATGGCGGGG CGCATCGCCA TTATGAATCG	240
TGGGAAATTT GTCCAGATTG GCGAACCGGA AGAGATCTAC GAGCATCCGA CTACCCGCTT	300
ATAGCGCTTG ACGCNACCGT GGGAAATCAA GACCAAANTC AATCTGATTN CCAAAAGCTT	360
CACGGATTTN TGCCACGGTG TTAACCGCCG CATCTACCGN GCGGNAGTTA TTCAATTTAG	420
NCCCAGTTCT TCAAAAACCG TTCANTTTTG AAAGTATTCG AAGNCGATTT TGGNTAGTGT	480
TTTTAAAT	488
(2) INFORMATION FOR SEQ ID NO:41:	
 (i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 494 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: double (D) TOPOLOGY: linear 	

ACAGGAGAAG	GGCAGGAAGA	TTGCAGCCTT	CTTCGCTGAG	TCTCTGCCCA	GTGTGGGAGG	120
GCAGATCATT	CCCCTGCTG	GCTACTTCTC	CCAAGTGGCA	GAGCACATNC	GCAAGGCCGG	180
AGGGGTCTTT	NTTGCAGATG	AGATCCAGGT	TGGCTTTGGC	CGGGTAGGCA	AGCACTTCTG	240
GGCCTTCCAG	CTCCAGGGAA	AAGACTTCGT	CCCTGACATC	GTCACCATGG	GCAAGTCCAT	300
TGGCAACGGC	CACCCTNTTG	CCTGCNTGGC	CGCAACCCAG	CCTGTGGCGA	GGGCATTTNA	360
AGCCACCGGC	GTTTGAGTAC	TTCANCACGG	TTGGGGGGCA	GCCCAGTGTC	CTGCGCTGTG	420
GGGCTGGCCG	TCCTGAATGT	NTTNGGAGGA	AGGNGCAGCT	TCAGGATCAT	GNCACCAATT	480
TAGGCAGTTT	CTGA					494

(2) INFORMATION FOR SEQ ID NO:42:

- (i) SEQUENCE CHARACTERISTICS:
 - (A) LENGTH: 422 base pairs
 - (B) TYPE: nucleic acid
 - (C) STRANDEDNESS: double
 - (D) TOPOLOGY: linear

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:42:

GGCAGANCTG	TGGACTGTTC	CACCAACAAC	CCCTCCNAGG	CTAAGCTGCG	GCGNGACTCG	60
ACGAATCCNT	CCAGGTCGCT	GAGAAGGTTG	ACCAGGAAGT	ACAACGAAGC	TGCTAAAGTC	120
CTACCANTGG	GAAGATGCTC	AANACCTCCT	CCTTGGCTGG	AGCAGCTGGA	ACGAGCAGTT	180
TGAACTGGGG	TGTGCCCGGC	TGGCAAACCT	NCACGCANGC	GAAGACCAGT	ACTGATCTGA	240
GGGTNACCAC	GGTGGGCTTT	CCNACACTTT	CTGAACTTCG	GAACGTTNCC	TTCCGGTGTT	300
CACTGANGGT	GGTTCGTGAA	AGCTCTTNTG	AACTTCTGAA	TTCCCATCCA	CTGTGAACGG	360
TTCCCTTGTT	AGGAANTTTT	TNCAGGNAAG	NAACCCCTAA	AATTTTATGG	GAGGACCGTG	420
GG			•			422

(2) INFORMATION FOR SEQ ID NO:43:

- (i) SEQUENCE CHARACTERISTICS:
 - (A) LENGTH: 356 base pairs
 - (B) TYPE: nucleic acid
 - (C) STRANDEDNESS: double
 - (D) TOPOLOGY: linear

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:43:

ACGCCTGCNA TTGGTCAGGC TGACCTGGCC TCCCGTGGGG CCACTCGCTG CCTTAGGTGC 60
CTTCTGCTCT CTGGAACCAG AGGGACTAGC TGACTTTTGC CAAGGAAGCA GTGCCAAGAG 120

GCATGGTCNT	GGTNNCCTGC	CTGCCCCGG	GAGNNCACCT	CTGTACACTT	CCCTGAANAC	180
CTTCCCAGGT	GTGGGTCACT	GCCACCTGTG	CCCATGGGCA	CCCCAGAAGC	ACCCACTGTG	240
AACCACTGNC	AGTTTTTCTG	CATGGCCCAC	AGGCACTGGG	CCTGTAANCC	TTTCGCAAGG	300
GGTCCCGGGT	CCCTTCCCAA	NNAATTTTAG	CCTTTTNTAA	NGGTTGGCAA	CCAAAG	356
(2) INFORM	ATION FOR SE	EQ ID NO:44	:			

(i) SEQUENCE CHARACTERISTICS:

- (A) LENGTH: 495 base pairs
- (B) TYPE: nucleic acid
- (C) STRANDEDNESS: double
- (D) TOPOLOGY: linear

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:44:

CCGACCTACC GAGAAGAAAA TCTTCACCTA CTTCATGGTG GGCGCCTCCG CCGTCTGCAT 60 CGTACTCACC ATCTGTNANN CTCTGCTACC TCATCTGCCA CAGGGTCCTG CGAAGGCCTG 120 CACAAGGACA AGCCTCGAGG GGGTTGCAGC CCCTCGTNCC TCCGCCAGCC GAGCTTCCAC 180 CTGCCGCTGC CACCACAGC TGGTGGAGGC TGGGGAGGTG GATCCAGACC CAGGCAATAA 240 CAAGCTGCAG GTTCAGCACC CAACCTGACC CCCATCTGAC CACAGGGCAG GGTGGGGCAA 300 CATGCGGGCT GCCATGGGAC ATGCAGGGCG GTNTGGCAAG TGGAGAGGTN CTACAGGGNT 360 GAGTGACCCA TTTGGAGTTC ATAAGTATGC AATTTGGTTT TGGCAGTATT TTTTGACATG 420 GGACTNGGNT GTTTGNCGGG TTTAGTAACC CCAGGCCATG GCANCCTNAA GGGCATGGTT 480 TTGAAAAAGG ATTAA 495

(2) INFORMATION FOR SEQ ID NO:45:

(i) SEQUENCE CHARACTERISTICS:

- (A) LENGTH: 394 base pairs
- (B) TYPE: nucleic acid
- (C) STRANDEDNESS: double
- (D) TOPOLOGY: linear

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:45:

GGCAGAGGGA AACTTTTCCT TTGTCCATCG AGGTGTTTCA TAAGTTTTTT GGTGTGTTTT 60

CTGGGTCGTC TATGTGTCAT ATGGTTTNAC TTTTCTCTCC TTTTTCGTTT TCAGAACATN 120

NTTCTGTCTG TTTTGGATTC ACTGCTTCCA TTTNACAGAA TGTGNACTCT TTAGACTCTC 180

AGTCCATCAT GCCATCGGGT ACTCTTGTTG CAGTGTAATT TTAATNACAT GCGGTTATTT 240

CCCTAACGAA TGTGCTATTC ACGTTCCATC TTNCAAACTC CATTTTCCCA TCCAGCCAGN 300

TTTNCCCTGG	360
GTCTACAATT TAGTGCCCNT GGCTCCNATT TCGGTCCTCC TCCCCGGGGC TTTNCCCTGG	394
CTGCGGTGCT GGGCCAAAAG CAGGGGTTTT ANTC	
(2) INFORMATION FOR SEQ ID NO:46:	
 (i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 455 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: double (D) TOPOLOGY: linear 	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:46:	
GGCANAGGAG GGCTGGTGCC GGGANTCCAC GACAGACGAG CAGCTATTCA GGTGTAANCT	60
GTCAGTGGAG AAGTCCACAG TNCTGCAGTC TGANCTGGGA ATCCTGTAAG AGGCTGCAGG	120
AGCTGGAGCC TGAAAATAAA TGGTGCCTGC TTACCATCAT CCTGCTGATG CGGGCACTGG	
ACCCCTGCT GTATGAGAAA GGNAGACCCT GCAGTACTTC CAGACCCTCA AGGCCGTGGG	240
ACCCCATGCG GGGCAACGTA TCTGGGATGG ACCTGCGGCA AAGTTTCCTT TGCTGGGAGG	300
AATAAGCGTG CTTCAAGAAT GGGAGTNATG CCCGAGGTTG CCGTGTNCTT GCACTGGGGT	360
TCACAAGGAT CTGAACAGTG GTTCTGCCAT TTGGGAACAA CTTGTTCTTT GGTCAACCAT	420
TTTTGATTNG TTNACANATC GGCTTCGNAA CCTNG	455
(2) INFORMATION FOR SEQ ID NO:47:	
(i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 380 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: double (D) TOPOLOGY: linear	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:47:	
GGCANAGCAA GAAATGGCAC CAGGAACAAC ATTTAACCCG GTCATTGGTG ATTCANCTNT	60
GGATCCAAAA AAGGTTAAGA CCCTCGTTTT CTGCTCCGGC AAACATTTCT ACTCCCTGGT	120
GAACAAAGAG AATCTNTGGG GGCCAAGAAG CATGACTTTG CCATCATCCG AGTAGAGGAA	180
CTCTGGCCCC TTCCCGTTGG ATTCTTTACA GGAAGAGAAT GAGCAAATAC AAACATGTTA	240
AAGATCATAT TTGGAGTNCA GGAGGAACCT CAGAAACATG GGTCCGTGGG TCGTTTGTTT	300
CTNCCAAGGT TTGAAAAGCA GCTGGNCCTG CAAGCTTCCG TTCTGGTTGG GCCGGNCCCC	360
	380
TTTTGNCATG ACCCGNTGTT	
(2) INFORMATION FOR SEQ ID NO:48:	

 (i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 161 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: double (D) TOPOLOGY: linear 	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:48:	
CAGTGACCGG TTCTNCAGCA CCCGGTGCTN GAGNTTTNGC AATGTCCCGC ACCGGGACGN	60
TCATCCTGGG GACCTGGTAC ATGGTAGTAA AACCTATTGA AGAGCAATTT GCCTAACTGT	120
GGGAGTGAAC TCATCCAAAC TCCATGCCAG TNNNNAGCNT C	161
(2) INFORMATION FOR SEQ ID NO:49:	
(i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 230 base pairs	
(B) TYPE: nucleic acid	
(C) STRANDEDNESS: double	
(D) TOPOLOGY: linear	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:49:	
GGCACGAGGG TGCGCTGAGT CGGAGCCAGA GGCCGCGGGG ACACCGGGCC ATGCACGNCC	60
CCAACTNAAG CTGCATCTCA AAGCCGAAGA TTCCAGCAGC CCAGGGGATT TCAAAGAGCT	120
CAGACTCAGA GGAACATCTN CGGAGAGACC CCCGAAGCCC TCTCCAGGGC AGTCCTCATC	180
CAGACGNTCC GCTAGTGNCA GACAGGAGCG CGCATGGGCC CCCGNNTCGG	230
(2) INFORMATION FOR SEQ ID NO:50:	
 (i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 381 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: double (D) TOPOLOGY: linear 	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:50:	
TGTGGGCCAC CTCACCAAGT GCAGCCATGC NTTCCACCTG CTGTGCCTCC TNGCCATGTA	60
CTGCAACGGC AATAAGGATG GAAGTTTGCA GTGTCCCTCC TGCAAAACCA TCTATGGAGA	120
GAAGACGGGG ACCCAGCCCC AGGGAAAGAT GGAGGTATTA CGGTTCCAGA TGTCGCTCCC	180
CGGCCACGAG GACTGCGGGA CCATCCTCAT AGTTTACAGC ATTCCCCATG GGCATCCAGG	240
GGCCCTGAGC ACCCCAATCC CGGAAAGCCG TTCACTGCCA GAGGGTTTTC CCCGCCAGTG	300
GTTACCTTTC CAGACAACGG CCAGGGCCGN AAGTTCTTAG NAGCTTCCTG GAAAGTGGGG	360

CNTNGTAAGA GGNGGGTTCA T	381
(2) INFORMATION FOR SEQ ID NO:51:	
 (i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 299 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: double (D) TOPOLOGY: linear 	•
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:51:	
CTGCTTGTGT TTACTTCTGC CATTGCCAAC ATGTTCACCT GTAACCACAC CCCCATACGG	60
AGCTGTGCAG CCCGGATGCT GAATTTAACA CCTGCTGACA TCACTGCCTG CCACCTGCAG	120
CAGCTCAATT ACTCTCTGGG TCCTGGGATG CTCCCCTGTG TGAGGGNACC ATGCCCACCT	180
GNCAGCTTTC CTGAGGGCTT CTTCCAATGA GACCTTTGAT GGGCTGGGAC TGTCCAGCTG	. 240
CAGGGGAGGG TGGCCCTCAA TNTGTANGNA CCCCTGTGAA TNTCTNCTGG TGGTTTGCG	299
(2) INFORMATION FOR SEQ ID NO:52:	
 (i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 202 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: double (D) TOPOLOGY: linear 	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:52:	
GGCAGAGCAC CATCCTATCC AGCCTAACNT TTAATTGAAA GCAACAAAGC ACCTACACCT	60
TCCAGCTGAA GGNAGTGGAA TNGTGGCGTC CCACCTGCGC TCAGCTTACG TTGGTGTCAC	120
CATCAATGTG CCTGGNACGA GAAATGAACA ACGNACCCTA TATTCACTGN CCCCTTCCTT	180
AACACCTCTT NANAAGCTGC TG	202
(2) INFORMATION FOR SEQ ID NO:53:	
 (i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 231 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: double (D) TOPOLOGY: linear 	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:53:	
TTAAAANTNA TCCAGCTCTT NCTCAGTGAA AGAGGAAAAT CCCTCCATGG NAGAGGTCAA	60

CGCCTCGNTG GCATACAGAC TGGGGACCCT GGACATGCGG GNTTTTTTCC GNAACACCCA

120

AGNGGAANAT ATCGATTCTN CCTCGGGAAA GCCCCATCCA ACANTGGATG GTCCATCTGG	180
GAGTTCCAGT ACCGCCCTNG GGGCCCGGTN ATTNATTTCC TGAACAACCA G	231
(2) INFORMATION FOR SEQ ID NO:54:	
 (i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 443 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: double (D) TOPOLOGY: linear 	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:54:	
GGCACGAGGA GAAGTGGCCT TAACTGTNCC AGGTCACACG TGGAAATAAG TACAAAAGTA	60
ATGACTAAAA TAGGCCAAGT TGTCCGAGCA CTTTGTACAT AGGGGTATTA TACGACTGCA	120
AATTGTGTGA TGTTTAATTG TCACAGANAG AGATACTCGT TTTAAGCACT TTTAGCCTAA	180
TGTNCTGGAA AATTNCTTAA TGGATTTTNA TACTCTATTG GAAACATTTC CATATTGGTG	240
NAAATGCCAC TNCATTCCTT TTNCCTGAGG GGGCAAATCT TGAGTAGGCA ATGGGGAAGG	300
AAAGCCTGGG CAACAGCCAC CATTTGTCTT GTGGGACCTG ACATGGTTTA TTCCACCTNG	360
GAAAAGGAGG AATTGCTTAA ATGGCACATT GGTTACCCTT TAGGTTAACC NCAGGTTTNC	420
ANTTTGTGCT GGAATTNTTT AGG	443
(2) INFORMATION FOR SEQ ID NO:55:	
 (i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 121 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: double (D) TOPOLOGY: linear 	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:55:	
AGCAAGTTTG GGNATNCTGA CCCTAAAGTA CCCCATTAAG CATGGGATCG TNACCANTTG	60
GAAGGCATGG AGNAGTTCTG GGAACAAAAC TTTTTTAAAA GNAGTTTNGG GTTGGGCCCC	120
G (2) INFORMATION FOR SEQ ID NO:56:	121
 (i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 131 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: double (D) TOPOLOGY: linear 	

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:56:	
GGCTTTGGGC AGCTTGGAAG TAACCAANAA TAATGGGCAC TACCGTGAAG ATCCCAACTG	60
GTTTATAAAG AAAGCCCATG AGCATAAAAG GGAATTNANA GAGGGCCAGC TGCAGGNGGG	120
AAAAGCNTGT N	131
(2) INFORMATION FOR SEQ ID NO:57:	
 (i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 308 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: double (D) TOPOLOGY: linear 	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:57:	
GGCANAGGTT TGTTTCCATT CAGTTTCCTT CNNGCTTATG TTNGTCAGAG TTAGTATCTG	60
TGGGTTACAA CAAAGAACTC TGATAAACCC AGCAATAATC AATTAAAAGT GCAATAAGAA	120
GAAGCTGATA TACGTTATCC ATCAGAACCA TCAAGTATCT GGGAATAAAC TTACAAGCAA	180
GCATGGTAGA CCTTTAGGAA GAAAACTATA AATCTTTGCT GAGGCCATAG GGAAAAAAAC	240
CTGANTGGAA GTGGNNCATA ATATTTCCC TAGTGNGGAA ACACTGGGTG GTNTGAAGGT	300
	308
GTTGAATT	
(2) INFORMATION FOR SEQ ID NO:58:	
 (i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 354 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: double (D) TOPOLOGY: linear 	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:58:	
GGCANAGCTA CAACAACAC TCCTAATGNG CANTAATTNT CCTTGCAATA CTCCTATTCT	60
GGCANAGCTA CAACAACACA TOUTAMONO OFFI	120
GCCGGTANGA AAAGCCTCTG GGAACTTTCG TOTAL GCACTCCTC TCTCGCATCC NGGCAGTCAT CCCTACAGTC CCGGTAGTTC CTAATCCATA CACACTCCTC TCTCGCATCC	180
NGGCAGTCAT CCCTACAGTC CCGGTAGTTC GILLIAN COCCCAACAG GTCTCACTTC ACTGTTCTGG ACCTTAAAGA TGGNNNTTTC TCTATCCCAC	240
CCCCCAACAG GTCTCACTTC ACTGTTCIGG ACCTTTATAGACCCCGC TTGTTAACTT CCTCTTTGCT TTCCACATGG GNAGGACCCA GAACACCGGC	300
	35
GTNTTTTAAA CAATTCACCT GGGACGGTTC TGNTTACANG GGNTTTAGAG ACAG	
(2) INFORMATION FOR SEQ ID NO:59:	
(i) SEQUENCE CHARACTERISTICS:	

(A) LENGTH: 296 base pairs(B) TYPE: nucleic acid(C) STRANDEDNESS: double(D) TOPOLOGY: linear	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:59:	
CCATGCCATA CTATGTTTGG CAAAATGTNA NTGGNAAAAC TGTATAATAA ACTTTTCATC	60
TTAAATTTTG GAAACTATCA GTAATACAGT AGATAAAAAT AAACAAATAC CNTTGGAGGT	120
AGTCTCAGAT CCTGGNATAC TCTCTCTGAT CTAGTTTCTT CCAGCGNATC CATTAGTTTG	180
ATTACCATAG GTGTGATTAA AATCCACCAG CTGGNGTCCA GTAACATTGG NTCCACCATG	240
TATGAAACCT CTGAAGGGGA AATNTCCTNG GATTTCTTCT GANAAATTAA TTACCA	296
(2) INFORMATION FOR SEQ ID NO:60:	
(i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 409 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: double (D) TOPOLOGY: linear	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:60:	60
GGCACGAGCG GTCTGGCTTC ACAGGTCATT TCGCTCCCCC CGTTTCAGGT TGATCTCTCT	120
CGCCGTGAAT TATCTATTAA TGACGAAGTG ATCAAACTGA CCGCNTTCGA ATACACCATT	
ATGGAAACGT TGATACGCAA TAATGGCAAA GTGGTCAGCA AAGATTCGTT AATGCTCCAA	180
CTCTATCCGG ATGCGGAGCT GCGGGAAAGC CATACCATTG ATGTACTGAT GGGACGTCTG	240
CGCAAAAAA TTCAGGCACA ATATCCCCAA GAAGTGATTA CCACCGTTCG CGGCCAGGGC	300
TATCTGTTCG AATTGCGCTG ATGGAAAAAT TTACTGNGGC TTTTTTTCCC CGTTTTTCGT	360
TGCGGGTACG TTTNCTGTTG GCAACGGCAA CGTAGTACCN GTGCTTTNN	409
(2) INFORMATION FOR SEQ ID NO:61:	
(i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 192 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: double (D) TOPOLOGY: linear	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:61:	60
CTAATGCCCT CACCCCTTAA AACCAGAAAG CGCGCACAAG TTTTTTAANA GGAGACGACG	120
AGGAAGGGAA AGCTGGAAAT CCAGGTGTAA ATTAATGGTC TTCTGGCTTT CCAGGGNCAG	121

CCCTCCCCTC CTTCCCGGAT CATAAATCTT NAGCATTTNA AAAATAACTG CANNCTNGGT	180
	192
GTGGTGGNTT GT	
(2) INFORMATION FOR SEQ ID NO:62:	
 (i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 405 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: double (D) TOPOLOGY: linear 	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:62:	
AAGCTCCGTN NAGTAACGAG CAGGGAAGAG GTGGATGTCC GAAGAGAAAG ACCTTGTGGA	60
GGAAATCAAA AGGAGAACAG GCCAGCCCCT CTGCCATCTN CTGAACTGAA ACAAACTATC	120
AAAGGAAAGG AAGTGGGGAC TGGGCACTTA TTTAAGGTTA AGAACAAACT GCATATGTNC	180
TTANAATTGC TTTGCACTTT TCCCGTTTTN AGCGGAAGGA CCTGAAGAGT GGTNAGNAAC	240
AGAGGCCTTT GAATTTTAAA TTATGGGTTA NTTTNATTGG TTATTAACTG GGCAAAAACG	300
GGCCNGTTAC CAACACCTTT TTTCNATTAC AGGGCCCCCG GGGGNTTTAG TNCCCGTCTG	360
TGCTTCCGGG GTTAAAAGGN CCCCGCNTGA NATGGTCCCC TTTTN	405
(2) INFORMATION FOR SEQ ID NO:63:	
(i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 348 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: double (D) TOPOLOGY: linear	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:63:	
TGAATGCATA TGCAGGGAGA ATCCAAAAAC CATGCAGGAA GCTCCGAAGT ATGACGATGT	60
CTTTCCAGAA GTGAAATCGC TACTTTATTG AGCAAATAGC ACGTTGCGAG NCAGGCGGGT	120
ATCCAAAAA GAAATTGTTG CTCGACCCCG GATTCGGTTT CGGTAAAAAT CTCTCCCATA	180
AACTATTCAT TACTGGCGCG CCTGGGCTGG AATTTGNACC ATTTTCAACC TGCCGCTTGT	240
TGGTGGGTAT GTCACGGAAA ATCGGTGGTT GGGCCANCTT GCTGAACGTG GGGGCCNTTC	300
CGAGCGNNTN AGCGGTTNGT TCTGGGCCTG TGCCGGGTTC ATTNGCCG	348
(2) INFORMATION FOR SEQ ID NO:64:	
(i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 246 base pairs (B) TYPE: nucleic acid	

(C) STRANDEDNESS: double (D) TOPOLOGY: linear	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:64:	
CNAGTGGAAT CCCCCGGCCT GCAGGANCAT NATCCCACGC NAAATGCGGT GAAATATTAT	60
CNCNATCGTA ACCCATGCCG TTAAAGANAT GACGATGCGG CANTTTATCG CNATCGGCCA	120
GATCGTTAAC TAATGANTTT AATGANCCCT CCTTTTTTGT TTCNAGAAAG TNTAGCCAGA	180
AACCCTCAGG GGGANTTTTG GTTATTGGNA AAAAANTGTT TNACCCTGTC CCGGGNGGTT	240
AACCGT	246
(2) INFORMATION FOR SEQ ID NO:65:	
(i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 109 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: double (D) TOPOLOGY: linear	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:65:	
GGAANACCTG TTTGGAAGTA ACAATAAGGA GGAGGACAAG GAGGCGGCAC AGCTGCGGGA	60
AGGAGCGGCT ANNGNAGTAC GCGGAAGNAA GNAAGGCCAA GAAGCCTGC	109
(2) INFORMATION FOR SEQ ID NO:66: (i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 132 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: double (D) TOPOLOGY: linear	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:66:	
GGAAGACCNC TATTGGNCTA CCGAAAGAAT GGTGTAACCC CATATATAAT TTCNTTTAAG	60
GNTGGTTTAG AAANTGGAAA ANTGTTAACA AATGTGGCAA TTTTTTNGGN TGTATGCACC	120
TGTGNATGCA TA	132
(2) INFORMATION FOR SEQ ID NO:67:	
 (i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 165 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: double (D) TOPOLOGY: linear 	

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:67:	
GGAAGACCNC TGGCGCCGTT TTTNGNACAA NAAGGTGCTG CTGTCCTTTG GAAAGGCCTT	60
CAAGTGTAAA GAGCCTGGTT GGTTTCCCTT TGTTTTCTAA AACCAGGTCC ACCGGTTTTG	120
CCTGGNTGAA GCCAGNCTGC TTTTNCNAGC CCAGTNCCTT AACTG	165
(2) INFORMATION FOR SEQ ID NO:68:	
 (i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 330 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: double (D) TOPOLOGY: linear 	•
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:68:	
GAGNTNAACA TGGNCANNNC CAGCCAGACC NTGGCCACCT TCCTAGNTNN NCTGGCGCAG	60
AAGCTAAAGC CCCTGGGGNA GCAGGAGANT CGCGGTGATT NTGGAGCTNA TTNCNTGCGG	120
AGTGCGAGCC CCGGGGCCTG CCCTTCNACG GCCGCATCCT TGCCTGGAAC ATGCGCTACT	180
ACATGAACCA GGTGGAGGAG ACGCGCTACT GCTTGGACCA NAACCTNCTC AAGGAGTACT	240
TCCCCTTNCA GGTGGTCACG NACGGGCTTC TTGGGATCTA CCAGGAGCTC CTGGGGGTTG	300
GCTTCCACCA CGAGGANGGT GCANTNCCTT	330
(2) INFORMATION FOR SEQ ID NO:69:	
 (i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 58 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: double (D) TOPOLOGY: linear 	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:69:	
GGCACGAGAA AAAAAAAAA AAAAAAAAA AAAAAAAAA	58
(2) INFORMATION FOR SEQ ID NO:70:	
 (i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 174 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: double (D) TOPOLOGY: linear 	

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(xi) SEQUENCE DESCRIPTION: SEQ ID NO:70:

TGGTTTAACG ATGAACGAAT TNACCGAATC GCCTCGGTAA ATTTNCCCGT AATATGGGCA	120
ACGTTAAGAA ATTGGAGCTT TTCCCCTACN AAGAGCTGGG NAAACANAAA TGGG	174
(2) INFORMATION FOR SEQ ID NO:71:	
(i) SEQUENCE CHARACTERISTICS:(A) LENGTH: 75 base pairs(B) TYPE: nucleic acid(C) STRANDEDNESS: double(D) TOPOLOGY: linear	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:71:	
TGGCGCCGNT TTTNGGACAA CAAGGTGCTG CTGTCCTTTG GNAAGGCCTT CAAGTGTAAA	60
GAGCCTGGTT GGTTT	75
(2) INFORMATION FOR SEQ ID NO:72:	
 (i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 452 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: double (D) TOPOLOGY: linear 	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:72:	
GGCAGAGNCA ATTAATAAAC AAGCTAGATA CCCAGTCTAT TTTCTTTTGA GGATATTTTC	60
CTGTAGGTCA TTTTAATTGA TTTGTTTGAC ATGACTACAT TTATAATAAT CTANTATGGT	120
AAACCTAAGC ATCCTACATC TTGTCTTTAG CTTATAAAGA ATTTCCCTTT CTTGGAAGCA	180
TTAAGTGACT TCTGGTCCCT TAAAATATTC AAATGTGTTG TTTTTGCCAA AATTNCCATA	240
GGCAAAGAAG AATGGAGAAA AGAAATTGTA AAATGGTTCT CGGAGCTTCT TTGGGTTAAA	300
GGGTCTAATG CCAGGGACCA GCATACAAGT TNCGAGTTGG TGCTGTGGGG GGACCCCGGT	360
TTGTGAGTTC CAGAGGGTGT GTTTGNGNAC AGGCCCAGTG GAGGCTCACA CCACACNGTT	420
CTGGGTTCCG CTCAAGGTNG NGGCCGCCAG TG	452
(2) INFORMATION FOR SEQ ID NO:73:	
 (i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 323 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: double (D) TOPOLOGY: linear 	

GGCAGAGCAG GTCTCAACTT CCAGCGAGAG AATGANAGCC CTGTGGTGCG GGCCANGGGT	60
GCCANCCTTG ACCCTGGGTG AAGCAAGAAC GCCGACGNGG CCCTGCAAAA CCTCCGGGTG	120
GGTCATGAAC AGTGCACAGG NTTCCATCAA GCAANTGGTT TCCGGAGCTT GAGGACANTG	180
AATTTTGTTN CCGAAATCCT TAAATCTTTA GGCAGAATTT TTNAAGTTAA AGACGGGGGA	240
GGAAGGCTTT TNAGGGACCC CTGGGTGTTC TTAAGCATNA AGNTTCGNGT TNTACCCTGA	300
GGTTAACCAC GGTTCGATCT TAA	323
(2) INFORMATION FOR SEQ ID NO:74:	
 (i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 321 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: double (D) TOPOLOGY: linear 	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:74:	
GATACGCCCT TTGGCAAAGA ACCTGGNGTN TAGANATGTG GTGTTTCGNT CCATAATTNT	60
GGAGATCCAA AAAGGAAGAG GCTGTGGCCC TAAAAAAAAT CACGTTTACC TGCCAGCTGC	120
ACCACCTACN TCCAAANCAG CTGGCCACGN GCCTTGCCTT GGGAATTTNA AAANACAGCN	180
ATGAATCTTG GCTGGCNTGG ACGTNACGAN GAGCCGATCC TTGTCCTCCC CACCGTGCCA	240
TTATAAACAT GGGCGGNATT TCCNACCAAC TTACAAGGGG CAGGTTCTNG AGGGCACGTG	300
AATTGGNCCA GGNTTCAAAT T	321
(2) INFORMATION FOR SEQ ID NO:75:	
 (i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 64 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: double (D) TOPOLOGY: linear 	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:75:	
GGCAGAGGTT TTTTTTTTT TTTTTTTTT TTTTTTTTT TTTTTT	60
	64
GGGN	V -
(2) INFORMATION FOR SEQ ID NO:76:	
 (i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 193 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: double (D) TOPOLOGY: linear 	

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:76:	
GGCACGNGAA CGGGCTGGGC CGAGCCCGCA CTNTCGCGGN TCCGAGAGGA CNNGCGTCGC	60
ATCGTGCTGC CAGCCATCGA CAANATCAAG TACAGCACGT TTAAGGTGCA GCAGTATGCG	120
AGACGNNGCC CATGGCTACA ACTGGGGCCT CTGGTGCATN TACATNATAT CCCCCGCAGT	180
ACTGGANTGG ACC	193
(2) INFORMATION FOR SEQ ID NO:77:	
 (i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 111 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: double (D) TOPOLOGY: linear (xi) SEQUENCE DESCRIPTION: SEQ ID NO:77: 	
	60
GGCANAGGGA GGAAATGTGT TACAAAGATA TATGTACAAG TGTATTCATC ATTTTCCTGT	111
TTATAATTAA TAAAATGAAA ATGAGNGGGN ATGTTGGGTT NTANGGTTTG N	111
(2) INFORMATION FOR SEQ ID NO:78:	
 (i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 100 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: double (D) TOPOLOGY: linear 	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:78:	
GGCAGAGCAA ACTTCAGGGN AAGCCATGCN CATTGGAGCA GAGGTTTACC ACAACCTGAA	60
GNAATGTCAT CAAGGAGAAA TATTTTTTT TNGGGGTGNG	100
(2) INFORMATION FOR SEQ ID NO:79:	
 (i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 74 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: double (D) TOPOLOGY: linear 	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:79:	_
AACAATTAGC TCCAGGAAAT AACAGTTATT TNATCATAAA ACAGTCCCTT CAAACACACC	60
CCNNCCGTTT GTNT	74.

(2) INFORMATION FOR SEQ ID NO:80:	
 (i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 290 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: double (D) TOPOLOGY: linear 	
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(xi) SEQUENCE DESCRIPTION: SEQ ID NO:80:	
GTACCATTTG TCTGACCTCT NTAAAAAATG TGATCCTACA GAAGTGGAGC TGGNATAATC	60
NGNTAGTTAC TGCTACCCAN AGCAATATCT GTGAATGAAG ACAGTGCTAC AGAGGACCTG	120
GCTACACTTA TNNACAGAAA CAAGTGCTAC ACAGCTGTGG ANCCCACTCG NGATATGGTG	180
GTGNAGAACC ANAATGGTGG TAAACAGCCT TTAACCCCAG AATGCCTGGC TNATCCTGGA	240
CTGANTTTGA AGTCATTGCT GGACTGCNTA GCGCTTTTTC CTTNGAGAGG	290
(2) INFORMATION FOR SEQ ID NO:81:	
 (i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 57 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: double (D) TOPOLOGY: linear 	
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(xi) SEQUENCE DESCRIPTION: SEQ ID NO:81:	
NGTAGNGGNT CAGACCCAAA GNCTATGAAG TTAATGCTAC TCTGAAGTCT CTCAACA	57
(2) INFORMATION FOR SEQ ID NO:82:	
 (i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 287 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: double (D) TOPOLOGY: linear 	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:82:	
GGCAGAGGNA GACCCCGGTN TNACGGAGTT AACGTACATG ACCTACGTAA GGGAAGACC	т 60
GCGNGTGCTG CAACTGTNAN AAGCGCTGTG GNCNCTGGAA CGTGGTCTTC GTAATCAAN	A 120
GCTCCAAAAG CATTGGGTAC ACCAACTTNA CACTGGNGAA GAAACTTCGT GAATCAACG	т 180
GGTCAACAGG CTGGGTGCCA TCGCTAAAGG ACCCCAAGTC CGNGAACAGG GACGCGTGT	G 240
GGCGTGGTGC CAGTACAGCC ACGAGGGCAC CNTTGAGANN CATNCCA	28
(2) INFORMATION FOR SEQ ID NO:83:	

(i) SEQUENCE CHARACTERISTICS:(A) LENGTH: 418 base pairs(B) TYPE: nucleic acid(C) STRANDEDNESS: double(D) TOPOLOGY: linear	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:83:	
GGCANAGCAA CCCCATAGGC GGGATCAGCA AGACGGACCT CAGGGCCTTC GTCCAGTTCT	60
GCATCCAGCG CTTCCAGCTT CCTGCCCTGC AAGCATCCTG TTGGCGCCGG CCACCGCAGA	120
AGCTGGTAGC CCTTGGCTGG ATGGACAGGT GTNCCAAACC GACGAGGAAG ATATGGGGAT	180
GACATATGCG GAGTCTTCGG TCTATGGGAA ACTCAGGAAG GTGGCCAAGA TGGGGCCCTA	240
CAGCATGTTA CTGCAAACTC CTCGGCATGT GGGAGACACA TCTGNCACCC CGAGACAGGT	300
CGCTGACAAA TGAAGGGGTT TTTTTTCCAA GTACTCCATG AACAGACACA NGATGACCAC	360 _.
GTTCACAACC GNGTTACCAG TCGAGGAACT ACAGCCCTGA GGNCANCAGT TTNATTTG	418
(2) INFORMATION FOR SEQ ID NO:84:	
 (i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 191 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: double (D) TOPOLOGY: linear 	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:84:	
GGCAGAGCTG ACTGAGTGGG ATTGAAGGGG AGGTAGGGTG GGTGTGCCCT ATGAATGTAG	60
GGCCTGCTGC ACCCTGGGGA GGGGACCCGG ATGCAGTNNA TGCCCAAGTT CCAGCGTTCA	120
GACTGCCTGG GAAGCCCTGA GAACTCCCTG NACCCAGCAG GACGCCCCAT CCTTGGGTTT	180
NNGGGGGTAG A	191
(2) INFORMATION FOR SEQ ID NO:85:	
(i) SEQUENCE CHARACTERISTICS:(A) LENGTH: 224 base pairs(B) TYPE: nucleic acid(C) STRANDEDNESS: double(D) TOPOLOGY: linear	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:85:	
GGCANAGGTA TCATCAAGAG CCACCAGGGC CTGGACCGNC AGTAGCTGAG CTTTGGANCC	60
CGGTCCTTCT ACTACAAGCT GCGTGCCGCT GAAGCAGTAC ACACCCANGG NCAAGTACCA	120.

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TGGCAACGTG ATGCTACTGC GCGCCAAGAA CGGGTGGCGN CTACGGCAGG GNNCCTGGGC	180
GCGGACTACA ACCTTTNCCA GGTATGCAAC GGGAAAGTAT NCGT	224
(2) INFORMATION FOR SEQ ID NO:86:	
(i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 269 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: double (D) TOPOLOGY: linear	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:86:	
GGCANAGCGG GATCCCGGGG ACCTCTGGCG ATCCACAGAT GCTGGAGACT TAGATCTACT	60
TGGAAGAACC ACGTTTCTGG CTCTTCTCAG GCACGGGAGA CCTACTAACA GAACGGGACT	120
TGCTCCGGCT CCGGCTCCTG CTCCTGCTTC TTGACCGGCT GTANGATTTG CGACTACGGG	180
AACGGGNATC GGCTACGAGA CCTGAGAGGA ACTTCTGGTC CGGGATCGAG ACCTGNCTTC	240
TTGNACCTAC TGTGNNCTTT TGCTGCCTT	269
(2) INFORMATION FOR SEQ ID NO:87:	
 (i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 377 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: double (D) TOPOLOGY: linear 	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:87:	,
CGNGCACAGG ACCAGGNCCT TGGTGAGAAA TTCCCAACCT GGGCNAACAA CCAAACCAGA	60
ATTAGAACTN CTGGGGCACA ACCCGAGGAG AAGANGAATC ACCTCCAGCT TTACGATCGG	120
TTTAAGAGGA CTCATCAATC TTGGCAACAC GTGCTTTATG AACTGCATTG TCCAGGCCCT	180
CACCCACACG NCGNTACTGA GAGATTTCTT TCTCTCTGAC AGGCACCGGT GTGAGATGCC	240
GAGTCCCGAG TTGTTGTCTG GTTCTGTGAG ATGTCGTCGC TGTTTTCGGG GAGTTGTTAT	300
TCTNGGAAAC CCGTNTTCTT GATGTGGCCC TATAAGGTNA CTGGCAACTG GTGGTGGGAT	360
ACANGGCCNG GCATTTT	377
(2) INFORMATION FOR SEQ ID NO:88:	
 (i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 354 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: double (D) TOPOLOGY: linear 	

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(xi) SEQUENCE DESCRIPTION: SEQ ID NO:88:	
GGCANAGGNA AAAAAAGGAA ACACCGCAAA CGGTCCCGGG ATCGAAAGAA AAAGTCTGAT	60
GCCAATGCAA GTTACTTAAG AGCAGCTCGA GCTGGTACAC CTTGAAAAGG CCCTCGACTA	120
CATAAAAAAT GGAGTTGACA TCAACATTTG CAATCAGAAT GGGTTGAACG CTCTCCACCT	180
TGCTTCCAAA GAAGGCCATG TAGAGGTTGT TTCTGAGCTG CTGCAGAGAG AAGCCAATGT	240
GGATGCAGCT ACAAAGAAAG GAAACACAGC ATTGCACATT CGNATCTTTG GCTGGGCAAG	300
CAGAGGTNGG TAAAGTCTTT GNTTACAATG GGGGCCATGT TCATGGANCA TTTN	354
(2) INFORMATION FOR SEQ ID NO:89:	
 (i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 300 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: double (D) TOPOLOGY: linear 	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:89:	
AAAGCTGGCA TCCCTNACCT CCTGATCTGA AAAGAAAAGC TTTCAGGNAT TCATCACTAA	60
GCATTTNGTC CACTGTNTGT TTGTCTTAAG ATTGCCTTTA TCAGATTAAG GAATGTNCAT	120
TTNATTCCTA GTTTGCCGAG AATTTTTATT GTCATAGGAT GTTTAATTTG GCCACATCTT	180
TTTCTGCATC TGTTGGGAGT AATCAAATTA TTTTAGCTTA TAATCNCTTA ATATGGTGGT	240
TTACATTNGG TTTTATAAAN GTTAANCCAA ACAGGGTGGT CTGGTATATT GCCANGGTAA	300
	300
(2) INFORMATION FOR SEQ ID NO:90:	
 (i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 292 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: double (D) TOPOLOGY: linear 	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:90:	
GGCANACCCG GATTGAATAG TNTTAACCAG CTTCCNTGGC TTGCTGAACT GCATGAGGCT	60
CTNACGCAGT TGTTAAGCGG CCCCTCCACC AGCACCTTCT GCTCCTNATA GTAGTTCAGC	120
AGGTGGTTCC AAAGCGGCTG CTTTGAATAG TGCCCTTCGG GTTGCCCACA ATGAATGACG	180
CCATACCTTG CTCTGGTCAG GGCCACGTTN AGACGCCTGG GGTCATTTAA AAAGCCAATG	240.

240.

	CCTTGGTGCT CGTTGGCCCG NACACAGGGN CAGGNTGNTG AAGTCCTTTT GG	232
	(2) INFORMATION FOR SEQ ID NO:91:	
	(i) SEQUENCE CHARACTERISTICS:(A) LENGTH: 197 base pairs(B) TYPE: nucleic acid(C) STRANDEDNESS: double(D) TOPOLOGY: linear	,
	(xi) SEQUENCE DESCRIPTION: SEQ ID NO:91:	
	TCTCTCTCCA GTGTAAACTC TTTAATGTCG TGTAAGGCAC GNAAGTCGAC TAAATACCTT	60
	GCCACAGTNA CTGCATTTGT AAGGTTTCTC TCCAGTATGT ATTCTCTAAT GTNGTGCAAG	120
	GTGTGAATTG TAACTNAAGA CTTTGCCACA TTCATTACAT TTGTNTTNTT TTGTTTGTTT	180
	GTTTGTTTT NTTTTTT	197
	(2) INFORMATION FOR SEQ ID NO:92:	
	 (i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 169 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: double (D) TOPOLOGY: linear 	
	(xi) SEQUENCE DESCRIPTION: SEQ ID NO:92:	
	GACACGAGCT NGAGCCCACC CTGGAGGGAG GAAGAGGTNG TCACCCCTGA CTTCCAGGAG	60
	CCTCNGGTGT CCAGTGGGGT AAGAAGAAAC CCTGNATTTT GGTAGGTAGA AGCANGAGTC	120
	TCAACANACC CTNCAGCCCT GACCCCTGGG GGANCCCATG ACTGGACCT	169
-	(2) INFORMATION FOR SEQ ID NO:93:	
	 (i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 231 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: double (D) TOPOLOGY: linear 	
	(xi) SEQUENCE DESCRIPTION: SEQ ID NO:93:	
	CTTCCTGCAC AGGAAGGACG TCCTCGGTNN CTCGNAGGAG GAGGNCATGG GGCTCCNNGA	60
	GGTCAGCGTT TCGNACATCA AGCCNCCAGC CCCANAGCTG GGCCCCATGC NANANGGCCT	120
	NNGCCCTCAG NAGGTGGTCC GGAGGCATAT CCTGGGCTCC ATCGTGCAGA GCGAAGNCAG	180
	CTACGTGGAG TCTCTNAAGN GGATACTCCA NGNCTACCGC AACCCCCTAA T	231

(2) INFORMATION FOR SEQ ID NO:94:

(i) SEQUENCE CHARACTERISTICS:

(A) LENGTH: 558 base pairs

(B) TYPE: nucleic acid

(C) STRANDEDNESS: double

(D) TOPOLOGY: linear

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:94:

NGTTTGAATT	GANCCCTCAC	TAAAGGGGCA	AAAGCTGGAG	CTCGCGCGCC	CAGAGCGAAG	. 60
NTGCGGACCG	CGCCGCGACC	TTGGNTTGAG	CGCATTNGTT	TGCTGGAACA	CGCCAACCGT	120
CAGGCGAGTA	ACCTGGCCTA	TGGTGACCAG	CGCCGTCTTG	AGATTGCCCG	CTGCATGGTG	180
ACGCAGCCGG	AGATTTTAAT	GCTCGACGAA	CCTGCGGCAG	GŢCTTAACCC	GAAAGAGACG	240
AAAGAGCTGG	ATGAGCTGAT	TGCCGAACTN	CGCAATCATC	ACAACACCAC	TATCTTGTTG	300
ATTGAACACG	ATATGAAGCT	GGTGATNGGA	ATTTCGGACC	GAATTTACGT	GGTCAATCAG	360
GGNACGCCGC	TGGCAAACGG	TACGCCGGAG	CAGATCCGTG	AATAACCCGG	ACGTGATCCG	420
TGCCTATTTA	GGTGAGGCAT	TAANATGNGA	AAAANTNCAT	GTTTGTCCTT	TGGACAAAGT	480
CAGGCGTCCA	CTTANGGTAN	ANTNCCAAGG	CGGTTGCATG	AGGGTGAGCC	TTCATATTCA	540
ATTCAGGGGC	GNGATTTT					558

(2) INFORMATION FOR SEQ ID NO:95:

- (i) SEQUENCE CHARACTERISTICS:
 - (A) LENGTH: 514 base pairs
 - (B) TYPE: nucleic acid
 - (C) STRANDEDNESS: double
 - (D) TOPOLOGY: linear

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:95:

GGCACGAGGG	AGCNCAAGCA	GGATTCTTCC	CGAGTCCCTG	GCATCCTCAG	AAGCTTCAAC	60
TCTGGAGGCA	ATGGGTCGAA	AGGGAGAAGA	TGACTGCAGT	NCCTGGAAGA	AACAGACCAC	120
CAACATCCGG	AAAACCTTCA	TTTTTATGGA	AGTNCTGGGA	TCAGGAGCTT	TCTCAGAAGT	180
TTTCCTGGTG	AAGCAAAGAC	TGACTGGGAA	GCTCTTTGCT	CTGAAGTGCA	TCAAGAAGTC	240
ACCTGCCTTC	CGGGACAGCA	GCCTGGAGAA	TGAGAATTNC	TGTGTTGAAA	AAGTTTCAAG	300
CATGAAAACA	TTGTGAACCC	TGGGAGGACA	TCTNTGAGAA	GCACCACCCA	СТААТААССТ	360
GGTTCATTNC	AGCTTGTTNT	CTGNGTGGGG	NAGCTCTTTG	AACCGNNTTC	CTGGGAGCGG	420
GGTGTCTNCA	CAGAGNAAGG	ATTCCCAGTT	TTTGTCANTN	CCAGTAGGTT	TTTGTCGGGC	480

AGTGNAAATA CCTACATGGG GGATTGGGAT GTCC	514
(2) INFORMATION FOR SEQ ID NO:96:	
 (i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 224 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: double (D) TOPOLOGY: linear 	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:96:	
AGCAGGTATG GTGTTCCAGC AGTTTTACCT CTNCCCGCAT CTGNACAGCG CTGGNAAAAC	60
GTCATGTTTG GNCCGCTACG GTGTCGTNGC GCGAACAAAG AAGAGGCGGA AAAACTGGCA	120
CGTGAGCTGC TGGCGAAAGT CGGTCTNGCA GAACGTGCAC ATCACTACCC NTCCGAACTT	180
TCTGGTGGTC AACAGNAACG TGTGGCGATT NNCCGCGCGC TGGA	224
(2) INFORMATION FOR SEQ ID NO:97:	
 (i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 138 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: double (D) TOPOLOGY: linear 	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:97:	
GGAACAAAG CNTNAGCTCG TGCCGCCGGC AGGTCGACAC TAGTGGATCC AAAGAATTCG	60
NGCANAGTCA CAGCTGATTC CTGGGNAGAG GCTGAGAGGC ACTCCTGGNA TCTCTGGAGA	120
GNGGCGTCTC CCAGCTGT	138
(2) INFORMATION FOR SEQ ID NO:98:	
 (i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 123 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: double (D) TOPOLOGY: linear 	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:98:	
GCTGTAGNTN GTCAGANAGG TAGCGAGGAA CAAGAAGCGA AATTAGTTGC CGTTCATTTA	60
ATCGCGGCAA ACCTGGCAGN GCATGNTTCA CATGGTATTT GGANCATCCC AAGNTATGTA	120
CGN	123
(2) INFORMATION FOR CEO ID NO. 00.	

 (i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 165 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: double (D) TOPOLOGY: linear 	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:99:	
GNGTAGCNNG GAAGNCACAG CGCATCTCCC CGCTGTAGGN TTCCTCCCAC AGAACCCGTT	60
TCGGACCTTC AAAGCGTCTG GTGGAGATGC TGTTGCCGCT GCTGCTGCTG CTAACCCATG	120
TGCCTGGGCC GTTGNAGNTC AAGAAGGCCC CNGGGCGTNN TCCCT	165
(2) INFORMATION FOR SEQ ID NO:100:	
 (i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 270 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: double (D) TOPOLOGY: linear 	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:100:	
AACCCTNCAC TGAAAGGGCA NCAAAAGCTG GGGCNCGGGC GCNCTGCAGG TTCGTACACT	60
AGTGGATCCA AAGAATTCGG CACAGTTGTG GTTTNTCTCA NCGCCTNGGT AGCCGGTAAC	120
AAACGNGGGT TCCCNGNGAT TGGACCGACG CAGCCANGCC NCTGTGGACT TGTTATCAAA	180
AGAAAGCTAA CTGCTAGATC TTTATCGAGT TAAGAGTGTG GATCTGCATC CTACAGAGCC	240
ATGGGATGTT GGCAAGTCTT NNACANNGGN	270
(2) INFORMATION FOR SEQ ID NO:101:	
 (i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 113 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: double (D) TOPOLOGY: linear 	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:101:	
AGCCCNGGGA TGTGCCACTG AGCCTCGGCC CCATCGTGGG GAGCTNTNCC CATCCNGCCT	60
GTAACCCACC TCTGGNCCCC ATCCATAGAT GATAGGGACC TCTCAACTNT AGG	113
(2) INFORMATION FOR SEQ ID NO:102:	
(i) SEQUENCE CHARACTERISTICS:(A) LENGTH: 351 base pairs(B) TYPE: nucleic acid	

(C) STRANDEDNESS: double

(D) TOPOLOGY: linear (xi) SEQUENCE DESCRIPTION: SEQ ID NO:102: TGNCTTNGGC TTTGTCCAGC ATNAAAAGGC AGAGCGAACG TTTTCACTGC AGGCTGTTTC 60 CCNCCAGGGC AAGTGGGACA GGGCGAGTNC TGACGTCTGC AGGCATGGTG TGCATTTAGG 120 GGTGGGCGGC ACCGAGGGGG CATCATTTGG CATAGGCGGG CCCGGGGGTC ACTGGGCTAG 180 ATGACTGGCT GGTTGCTGGG GGCAGGTGTC ACAGCCTTTG CTGNGCACCC TTTAAGTNGA 240 GGACAGAACA TTGTTGGGAG GAGTCCAGGC ATAAAGTNAC ATAAACAGCG NCGGNGAATG 300 GGACCAGCGC ACCTTNAGAG GTGGATTCAT TAGCCTTNAG TCAACTGGGG T 351 (2) INFORMATION FOR SEQ ID NO:103: (i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 247 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: double (D) TOPOLOGY: linear (xi) SEQUENCE DESCRIPTION: SEQ ID NO:103: GTGGNACACT TTCCACGGCC TCTTCAAGTC CACGCTGGTN TGCCCCGATT GTGGCAATGT 60 ATCTNTNACC TTCGACCCCT TCTGCTACCT CAGTGTTCCA CTGNCTATNA GCCACAAGAG 120 GGNCTTGGAG GTCTTCTTTA TCCCCATGGA TCCGNGNCGC AAGNCAGAGC AGCACTGGGT 180 CGTGGTTCCC CAAGAAGGC AAGATCTTCG GGTCTAATGT GTGGCTCTGN ACAAACACAC 240 247 **GGGGNAT** (2) INFORMATION FOR SEQ ID NO:104: (i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 254 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: double (D) TOPOLOGY: linear (xi) SEQUENCE DESCRIPTION: SEQ ID NO:104: AGGCAGGTGT CCAAATGGGC AATNCCTGCT GGGAAGCNCT ATTGNTTGGG AACATGGGTT 60 TNACCCTGNT GGGCAGATGC CAGTGAACAA GACCATTGGT GGAGGGGACG ACTCCTTCAC 120 CACCTTCTTC CTGTNAAANT GGTGCTGGAA AANACGTACC CCGGGCAGTT TTTGTGAGNT 180

CTGGAGCCTA CGGTCATTGA ATGAGAATCC GAAATGNGCC CANACCGACA GTCCTTNCCA

240.

NCCAGAGCAG CTCC	254
(2) INFORMATION FOR SEQ ID NO:105:	
 (i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 411 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: double (D) TOPOLOGY: linear 	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:105:	*
GGCACGAGGT GGCGTGATGN CTCCCGGGGC CACGGTGGGG TGAAGGATGG CGAGCCGGAC	60
ATACCATTNT TGGATGTATT TTTTTTAAAA CAGCAATAAT TAGCCATTTT AAAGGAGGGA	120
TGTACCTGTN TGTGTNCATG TCCACGTNTT TGAGCGTGTG TNTGTGTGTN CAAGTGGGTT	180
CTTGGATATG TGTAGTGTGA GCATGTGTGC ATGTNTGAGC CTGTGCACGT GCATGTTGTA	240
GGTGCATAAG CATGTACACG CGTGACATGC ATGTCCGTGT ACACGTNTAT AGGTGTACAT	300
GTNCATGAGT TGTGTACATG CGTGACACGT GTATAGGATG TACGTGTGTN TNCGCATGTG	360
TGCGNGTAAC ATGTNTTTGT GNTCTTGGGG TATGCATAAG CCATACACGT G	411
(2) INFORMATION FOR SEQ ID NO:106:	
 (i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 278 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: double (D) TOPOLOGY: linear 	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:106:	
GGGCACGNGC AGAAGTCAAG GTCANTTAAA TGAAAAGCCC TTACCTGAAG GTTGGGAAAT	60
GAGATTCACA GTGGATGGAA TTCCATATTT TGTGGNCCAC AATAGAAGAA CTACCACCTA	120
TATAGATCCC CGNACAGGAA AATCTGCCCT AGNCAATGGA CCTCAGATAG CCTATGTTCG	180
GGACTTCAAN GCAAAGGTTC AGTATTTCCG GTTCTGGTGT CAGCAACTGG CCATNCCACA	240
GCACATTNAN GATTACAGTG NCAAGAAAAA CATTGTTT	278
(2) INFORMATION FOR SEQ ID NO:107:	
(i) SEQUENCE CHARACTERISTICS:(A) LENGTH: 432 base pairs(B) TYPE: nucleic acid(C) STRANDEDNESS: double(D) TOPOLOGY: linear	

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1	07:		
TGGGGCAGGA CCAAAGGCAA GATCCATGCC AACGCTGCTG	ACCAACCCCC	AAAACCAAGC	60
TGGCTTTGGG TCTGTGTCTG GTGCCACTGG GCAATGTGGC	CTAGATGGAA	GGGTGAAGGG	120
GTCCCACTCT CAGTGTTCTT CCTGTGTTCT TCCTCCTTCC	ATCTTATCTC	TATCTCTGGG	180
CTGGTTTGTN AGCTGAAAGA GTTCACACAT ACCTGGGGTG	GGCCTCTGTC	TCCTCGACAG	240
AGTGGGACTG AGGAGCGAGG CCTGAAGCAT TACTGGTTCA	CATCCTGGCC	CGGACCAGAA	300
GACCCCAGAC CGGGCCCCCC CACTCCTGTA CCTGGTGCGG	GAGGTTNGAG	GAGGCAGCCC	360
AGCAGGAGGG GNCCCACTNT TGCCCCCATT CATCGTCCAC	TGGCAGGTGG	GGTNCTCCCA	420
GCCAGCCATG GN			432
(2) INFORMATION FOR SEQ ID NO:108:		. •	
 (i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 335 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: double (D) TOPOLOGY: linear 			
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1	08:		
TTGNCAGGTN CGACACTAGT GGATCCAAAG AATTCGGCAN	AGCTGATNTG	ATGCGTCACA	60
TGNTTATGGC CAACCCCCAG ATGCAGCAGT TGATGGAGCG	GAACCCTGNG	ATCAGCCACA	120
TGNTCAATAA CCCTGAACTC ATGAGGCAGA CAATGGAGCT	TGCTCGGGAA	TCCAGCCATG	180
GATGCAAGAG AATGNTGCGG AACCAGGACC GGGNCCTGAG	CAACCTTNTN	GAGCATCGCT	240
GGGGGGTATA ATGCCCTCNG CCGTATGTAC ACGGGACATN	CAGGAGCCCA	TGTTTCAGTG	300
CTGCCCGGGG AACAGTTTTG GCAACANTCC NTNCT			335
(2) INFORMATION FOR SEQ ID NO:109:			
 (i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 424 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: double (D) TOPOLOGY: linear 	· .		
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1	09:		
ACCTTCTTTA AATCCGTCAA TAGCCTGCCA GCCAGTAAGC	TGTGCCAGTT	TGTCAACAAT	60
CGCAGGCCGG GTACNGGNTG NATATAGACG ATTTTTTTC	CCGGCGTGGC	TTTCAGCTCA	120

AGCGGGGCCG CCCCAGCCAC CCGTTCCTTC CTCATATCGA CTTTACCTAC ATTACCACTA

TTTCAATGCT GGTTTTCGCG GTTGGCGGAG CAGNAGNAAG ATTTCTCCTT ACGTTAATCA	240
AACGCGCAAC CCAGGAAAAG AATTTCCAAA AGGGATGTTA TGCCTGGCGG TGGATGGTTG	300
CGGTTTGTGN CCATTCTGGG CTCGCTGGCG ATGGGGGATG GATGTTTTGA TTCGNGTAAT	360
ATCCCGGATG GACTTTAATG GACCCAAGGT CANTTATTTA CGGCCTTTCC ANAAGTTNGG	420
GNGG	424
(2) INFORMATION FOR SEQ ID NO:110:	
 (i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 351 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: double (D) TOPOLOGY: linear 	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:110:	•
NNNAGNGCCT NCAGGTCGAC ACTAGTGGAT CCAAAGAATT CGGCAGAGAA AAAAACAAAG	60
CCATTGACAA GTTACAGATT TCCAGGAAGA AGGCAAAAGA AAAAGGAGCT TAGACAGGGA	120
AGGAAGAGTC CCCTCTATCC TTAAGTTCTC CCATGTCCGT TGTAAAAGGG CTCCACAGCT	180
CCACAGAAGA AGAGGGNAGG AAGGACAAGC GCTGGTCAAG GTTATGCAAT CCCAACCTGC	240
CATCTTCACT GCACCATTAA GCTGGNTATT CTGAAATATG CTTCTTTCTC GACTTTCCGG	300
CANATTTTAA ATTNAACATT AGAATCCAAC CGGTCGACCT GNTNGTCATT G	351
(2) INFORMATION FOR SEQ ID NO:111:	
 (i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 518 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: double (D) TOPOLOGY: linear 	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:111:	
GGCACGAGGA ACTGTGGATC TCCTACAATT TTATTGAGAA GTTGAAAGGG ATCCACATAA	60
TGAAGAAATT GAAGATTCTC TACATGTCTA ATAACCTGGT AAAAGACTGG GCTGAGTTTG	120
TGAAGCTGGC AGAACTGNCA TGCCTCGAAG ACCTGGTGTT TGTAGGCAAT CCCTTGGAAG	180
AGAAACATTC TGCTGAGAAT AACTGGATTG AAGAAGCAAC CAAGAGAGTG CCCAAACTGA	240
AAAAGCTGGA TGGTACTCCA GTAATTAAAG GGGATGAGGA AGAAGACAAC TAATGCCACG	300
CTTTCCACTG TGTGTTAACT TATTTGAAAT GTCCNTAGGA NCATTAGATA ATTTTATGTG	360

ATTGTNNNTT TTAAGATTCT GTATGGGGCA AAGTTTCNTA AGTTAAACCG TTCANNCNTC

NCCANCTTTT TTTTCCCTTA ACCTATTCCG TGNTTTNCCC CCAAACTGGT ANGGCCANCC	480
TNTATATCCC TTCCCCNTTT TAGGAACCCN CAATTTTC	518
(2) INFORMATION FOR SEQ ID NO:112:	
(i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 453 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: double (D) TOPOLOGY: linear	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:112:	
CCGNNAGNGN CTNCAGGTCG ACAGCGCTTC CTGTCCACGA ATCATATCCG CTATTTCTC	60
GCCAATCATA ATTGTCGTGG CGTTCAAATT CCCGGTGATA ATCTGCGGCT TAATCGACGC	120
ATCCACCACA CGCATGCCTT CTAACCCGTG TACGCGGCCT TCGCCGTCAA CCACGGACAT	180
CTCGTCGTAA CCCATTTTGC AGGTACCGCA CGGATGGGAA GGCGGTTTCG GCGTGGTTAC	240
GCACGAACTC ATCGAGCTGT TCATCCGTCT GGCATTCGAC ACCGGGGCTG ATTTCGCGGC	300
AACGATACTN ATCCAGCGCG GGTTGATGCA TGATNTCGCG GGTGATGCGA ATTGCGTCGC	360
GGGAACTCCT GCCAGTGCCT GCTCGTGCGA CATGTGNTTG AAACAGAATN CGCCGGATGG	420
TAGTGCGGGT AGCGGGGTTT NATGCCGNAC NGG	453
(2) INFORMATION FOR SEQ ID NO:113:	
 (i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 453 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: double (D) TOPOLOGY: linear 	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:113:	
AGGGCNAGCT NCACTGANGC TACCAGGAGA TCTCCANGCG AAACTCAGCC TCCTCCCAAG	60
CTCCCTNTGG GATCCTAGCC ACAAGCTCTC CAACAATTAC TATTGCACTC GAGAATGGCC	120
GCCGGGGAAT CTNAGCCCCN TTGCCATCAT GCATNTGCGT TCNACAGAAG NNGCTGGTGT	
GCAGGCAAGA CAGCAGAGAG CTCTGCTGTG AGCTGACCAC TGAGCNGGNA GGCGNTGCNT	240
CCANNTTCTT NTATTAAAGA GNTTGGGGCT TNNCTTCGGG CCACCTTTAN CTGTTTACAC	300
TGCAANCTTN AGGGNCACCG GATGANTTNG CCNCCTTTGG GATTTTCNAC CAGGGGGGTT	360
TTGGACNCAN TTTTNTGGNC AACTAGGGGG GNTTGGGTTT CNTTTGGGTT TTTTTTTGNA	420
AATTTAAAAN AAGGGGGNGT TTTTAAAAAA AAA	453

(2) INFORMATION FOR SEQ ID NO:114:

(i) SEQUENCE CHARACTERISTICS:

- (A) LENGTH: 548 base pairs
- (B) TYPE: nucleic acid
- (C) STRANDEDNESS: double
- (D) TOPOLOGY: linear

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:114:

TTTTTTNCGC	GGNCGGTGGC	GCGGCAACCG	CCAGANGATC	CAGAAGAAAA	GCAGATNGTT	60
GGCGAAGATG	GAAATCGCCA	GGCCAATCAN	TCGCCACGTC	GGTTTCAGCC	ACTCANTGCT	120
GTTCAGGTGC	AGGGCGCTAA	TAATCATTTG	CTGCGCCGAA	CCGGCAACCG	AGGTGATCGA	180
AAGCTTCACA	ATCAGCGCAA	TCAACAAACC	AATCAGCGAA	ATAAAATCTC	GCAGATATTT	. 240
TACCCAGAAC	TTCTCCTGAT	CTTGCGGCGA	GCNTTCCCAG	ACÁTCGCGCG	NACTGGGCCA	300
CGATTCGTTT	CACGCAGGTT	AACCCATCCA	NTTGATGCCG	GNANTAAAGT	GCCACCGCCA	360
GTCCGACAAG	CCCTACAGTC	GTTACGCTGC	TGGNACGGTG	GTGTTGNNGG	TGTTTTTNCA	420
ACGTGGTGGC	TNNCGTTGGG	TNCNTGNNGT	TTTTGCAGAA	TTTTTTCGNA	GATTNTCCNG	480
TAGGCAACAT	GGNTGGGGAG	GNCCAGCAAC	AAGGCCCCNG	NGGGCAAANG	ACANCNTCAA	540
AATGGTNT						548

(2) INFORMATION FOR SEQ ID NO:115:

- (i) SEQUENCE CHARACTERISTICS:
 - (A) LENGTH: 502 base pairs
 - (B) TYPE: nucleic acid
 - (C) STRANDEDNESS: double
 - (D) TOPOLOGY: linear

(xi) SEQUENCE DESCRIPTION: SEQ.ID NO:115:

CCATCAGAGA	GGCTGGCTCC	AGCATCTTAC	GCATGTCCAC	ATTGTGGTCA	GTTTGCAAGA	60
AGTCACCCGT	GATATGTGGC	AAAACAGCCG	GACTCCCGAC	ATAAAGTGCT	GGAAGGAAGA	120
CTGTGAGGGA	CACAGTTGTA	AAGGTTCTCG	AATTGTATCT	GTCTGATCAG	AGAAACAATT	180
TAATGTCCCA	GATCAAAGTC	GAGAGGCAGG	CTCTGGGAAC	TGGGCTGTGA	GCAGCCAGAG	240
AAAGGCGGCA	GAACCAGTTT	CTTCAGGGCA	GGTCTCTTTT	ATCTGCTTGT	CTGGATTGCC	300
TAGTGGACAC	TCCATTGGCT	CCCAGAGGCC	TTCCTGGTNC	ATNTCNTCCC	TCTGGCTGGG	360
TCCTTGATCT	TTGCAGATGG	CTGCGTCCCT	GGGGCCAGGA	GCACCAATGT	GTGCCGNTGC	420
TGGNCAGGTA	NGGNGGTATN	CNAGGTNATG	TTNTTCCAGG	TTCACCNGTG	CTTGGTGTTG	480

CGGTTTATTG AGTGAANTCN GT	502
(2) INFORMATION FOR SEQ ID NO:116:	
 (i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 512 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: double (D) TOPOLOGY: linear 	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:116:	
GGCACGAGCC AAACACTCCA GAGACCGACG AGTCCCTGNT CGACCCCAAC ATCTTGTCTC	60
TCAACATCCT CTCTTCCGGA TACATCCACC CAGCCCAAGA TGACCGGACC TTTTACCAAT	120
TTGAGGCTGC GTGGGACAGC TCCATGCACA ACTCTCTCT GCTGAACCGG GTCACCCCTT	180
ATCGAGAGAA AATCTACATG AACACTCTCC GCTTATTATC GAGATGGAGA ACTGCACCCA	240
GCCGGCTGTT GTCACCAAGG AACTTCTGGC ATGGTCTTCT ATTCCCGTGA ATGCCAAGCT	300
GGCCAGCCTN CGNGGCTNCC ATNCCGCAAC CTNTTTTGGN CAGTGGGGAG GCCTTTCGGG	360
CCTNCAGAGA GTGAACCTGT GNANTGGTGT GTTANNAGNT TCAGCNTGTG GCCACGTGGC	420
TGANGCGGGN CAGCCCAGGG NTGCAGCGNC GGNGCCGNAG NGTTCNGGGA CACATTGTGG	480
GCTNTGTTCC GGGCGAGGAG AACTGGCAGN TG	512
(2) INFORMATION FOR SEQ ID NO:117:	
 (i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 506 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: double (D) TOPOLOGY: linear 	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:117:	
GGCANGAGCG AAATACACAG AAATGGACTA CGCCCGACCT GGTAACAAAG CAGCTTTCAC	60
TGTAAGCCTG GATCCAGGGC CCCTGGAGCA GTTCCCNCAN TCCATGGAGC CACAGCTCAG	120
GCAGCTGGGC CTGCCCACCG CCCTCAAGAG AGGTGTGGTG ACTCTGCCTG TCTGACTACG	180
AAGGTGTGCA AGGNGGGCGA TGTGCTGACC CCAGAGCAGG CTCGNNTCCT GAAGCTTTTT	240
GGGTATGAGA ATGGCTGAAT TCAAGGTGAC CATCAAATAC ATGTGGGATT CACAGTTCGG	300
GAAGGTTTCC AGCAGATGGG NAGACGGATT TGNCCAAAGA AGCGCATTTT AAGTTCCACA	360
GAAGNGTTCA GATTCCAGAA GGTTGNNTGA TTGAAAAGGG NNTTCGGGAC TTAAGGTNTT	420

CCTGGGAAGT TTTTGGGTTT TCATTGGGCC CTTCAGGATT TTTTCCGCCC CTTTGGNGAG

GGCAGTTTTT TATTTNTTCT TAGNAA	506
(2) INFORMATION FOR SEQ ID NO:118:	
 (i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 178 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: double (D) TOPOLOGY: linear 	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:118:	
GGTCAACATG GNGCCCGACC AGTACCANAT GGGGAGCACC AAGGTNTT	T TCAAGAACCC 60
ANAGTCGCTT TTTCCTCCTG GTAGGTAGNT GCGAGAAGCA AAAAGTTC	G ATGGGTTTTT 120
GCCCGTAAAC CCATNCCCAG GAAGGTTCTN GTCGTGCGGN CACGTTGG	T CTGTTNCC 178
(2) INFORMATION FOR SEQ ID NO:119:	· · ·
(i) SEQUENCE CHARACTERISTICS:(A) LENGTH: 407 base pairs(B) TYPE: nucleic acid(C) STRANDEDNESS: double(D) TOPOLOGY: linear	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:119:	
CGGTGACCAT GTNTGGCCTG GGNTGTAAGA AGTACGTGGN GGCCAACA	C TCCCATAAGT 60
AACGCACAAC TGTNAAATAT ACAATNAAGA CTCTAGCCAG CTGTNCTG	G ACCGTAATCT 120
TNATGCTGCT TGGNATCTNA GCCGTGGACT CTTCTAAGTG GGCCTGGG	T TCTGGGCTGG 180
TGCTGGGCAC CCTCATCTTC ATCCTGTNCT TCCGAGCCCT CGGTATTG	T GGCACCCTCT 240
GCTTTCCCAC TCTNCCTTCC TGTCCCGCCC CTCCCTGCAG CTCATCTC	C TATGTGAAGT 300
CCACATCTTT GTNAATTCCT AAAGCCTCCT CTTGTTGCTC ACCTGTCC	A GCCCTGTAAA 360
GACCTCAGCC CAGATAATTG GGTCCCATCG GGTCCCAAGT CCTTCAA	407
(2) INFORMATION FOR SEQ ID NO:120:	UJ.
 (i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 423 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: double (D) TOPOLOGY: linear 	

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:120:

*	
CCAGCTGATC CATTGATCAG TGGGGTTGGG GACGCTTCTN TNCTGCTCAT TTATTGCTGT	120
GTACAAACCA CCTCTAAGTG AAGGGCTTTA AAACAAGATC GTTCATTTCT TTTGCACATG	180
GGCATTGGGG TANCTGGGCG CACTACGGCA CTTCTTACCT GGGGCCTCAT CAGTNNAGAT	240
GGGGCCAGGT TGGGTTAGCC CCAAGGCTTC TGGCATTGGN CTAAGAAGGC CTTCAGAACA	300
ATGAGGGCTT TGGGCGGCTG GGGGCTCCCC ACCAACAACC CTTNCACCTT CGTGGGGCCT	360
TCCAGGTTAG CCTGTTCCAC CTGNCNCAGA ACACACACAN CCAGTCCCAC AGGTTCANCC	420
CTT	423
(2) INFORMATION FOR SEQ ID NO:121:	
 (i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 419 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: double (D) TOPOLOGY: linear 	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:121:	
GGCAGAGGNC AAGATGGCCA CTGTNATCCC TGNNCCCCTG AGCCTAGGCG AGGANTTCTA	60
CCGCGAGCCA TCGAGCACTG CCGCAGTTAC AACGNGCGCC TGTNNCGTAG CGCAGCCTGN	120
NAACTGCCCT TCCTCGACTC GCAGACCGGC GTGGCCCAGA ACAACTGCTA CATCTGGATG	180
GAGAAGACCC ACCGCGGGCC GGGTTTNGCC CCGGGNACAG ATTTACACGT ACCCCGCCCG	240
CTGTTGGAGG AAGAAACGGA GNCTCAACAT CCTGGAGGAC CCCAGACTTC AGGCCCTGCG	300
AAGTTACAAG ATCGACTGTG AAAGCACCCC TGGAAGAAGG AGGGTNGCCT TCCGGNAAGG	360
GCCGGTTNCT TCGAGGGTTT TATTGTTNTG CCANAGTACG GGGGGAGAAA GAAAGGTTT	419
(2) INFORMATION FOR SEQ ID NO:122:	
 (i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 334 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: double (D) TOPOLOGY: linear 	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:122:	
AGTGGTATCC AAAGAATTNG GCANAGGNCG GAAGATCTNA AGACACAAAG GCCCAGTCCT	60
ATGGGAGAGG GAGCTGCAGG GNGCGGGAGC TGGGACATCC CANGGNTCAT GAAGTGGGGG	120

NGCAGCCCC ACGCCTGGNA AGCTGAGGGA AGGGCTCATC TCCCCTNTAT GGGGGGNCAG

GAAGGGANTA CCTGNNCCCT GACTTNGTTG GGATTGGGAA CTNAACCCTG GGNGGCCCCT

180

CTGAGAGCCC ACCAGCCACA GGNCANTGAA TGCCAACAAA GAGCCCGTTG CTGGAAAGGT CTGTAGCCTG NGACTCAGTG GNGCTGCCTC CTGN (2) INFORMATION FOR SEQ ID NO:123: (i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 385 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: double (D) TOPOLOGY: linear	4
CTGTAGCCTG NGACTCAGTG GNGCTGCCTC CTGN (2) INFORMATION FOR SEQ ID NO:123: (i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 385 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: double	
 (i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 385 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: double 	· .
(A) LENGTH: 385 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: double	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:123:	
GGCANAGGGN GAGGGCAGAG GAGGAGAGTC GCGGGCGGCC GCTTGGGCGC ACTTNCCGGG	50
TCACCTTGTC CCGGAGGAGN AAATGGCTTC CCTGAGGCAA GTGTACCTAC ATTCCCAGCC 12	20
CACCAGCCTG ACGCCCAGCC AGGGAAGAGA GTACCATGGA TGGCATCATT GGAACAGAAG 1	80
AGCATGCTGG TGCACAGTGA AAATCAGTGA TGCTGGCAAG AGGAATGGTT TAATTGAACA 2	40
CCAGAAACTT GATGGCCGAG AGCAGAGATG GTCTGGTGTC TGTTTACCCA GCGCCCCAGT 3	00
ACCAGAGCCA CCGGGTNGGG GGCCAGCACA GTGNCGGNCA GTCTGGNACA GCAGCAGGAG 3	60
TTAAGCCNTT TGTCAGCAGT TGGTT	85
(2) INFORMATION FOR SEQ ID NO:124:	
 (i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 317 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: double (D) TOPOLOGY: linear 	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:124:	
TGGCNNAGGA CCAGCCATCG GAGGTGACTG ANAGATATAA TTTGGGACAG GTCATCAAGA	60
CTGAGGAGTT TTGTAAAATC TTCCGGGCCA AGGACAAGAC GACAGGCAAG CTGCACACCT	120
NCAAGAAGTT CCAGAAGCGG GACGGCCGCA AGTGTCGGAA AGCTGCCAAG AACGAGATTA	180
GGTATCCTCA AGATGGTGAA GCATCCCAAC ATCCTACAGC TGGTGGATGT NTTTNTGAAC	240
CCGCAAGAGT TACTTTAATN CTTCCTGGGA GCTGGCCACG GGGAGGGAGG TGTTTNACTG	300
GNATCCTGGG ACCAGGG	317
(2) INFORMATION FOR SEQ ID NO:125:	
(i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 383 base pairs (B) TYPE: nucleic acid	

(C) STRANDEDNESS: double (D) TOPOLOGY: linear	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:125:	
GCGCCTGCAG GTCGACACTA GTGGATCCAA AGAATTCTGC ACNAGGTNTT NTTGGTGTTG	60
GGNNGCTGGT CTGGGGACAG GTCATTGCCA CCATCCCCAC CAGCCAGCTC AAGTGCCTGT	120
NGGAAGCCGG GCACGGGCCN GGNAAGGGAC GAGATGACCG ACGTAGGGAG CTGGCCGAAG	180
GAGGTAAGAG AATCGACCAT GTCGAGCGGG AACTCCGCAG GGGNCCCAGA TCCTCTGGTT	2,40
CCGGGGCCTG AACCGNATTC AAACGCAGCC TGGGCCTCTN CCCACCACTT CCCCAGAAAC	300
GGCGCTCGTC TNAGGNCCTG GGAAGGCTGC CTTTCCGGTT CGTGGGGGTA CGGGGNTGTT	360
CCCNGCAATG GGTTNCCTGG TCT	383
(2) INFORMATION FOR SEQ ID NO:126:	
(i) SEOUENCE CHARACTERISTICS:	
(A) LENGTH: 234 base pairs (B) TYPE: nucleic acid	
(C) STRANDEDNESS: double (D) TOPOLOGY: linear	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:126:	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:126:	60
ACCTGCGCGG GGNCATCCCG AATNCNTTTN AGCACATCTN CACCCACATC TCCCGCTCCC	60
ACCTGCGCG GGNCATCCCG AATNCNTTTN AGCACATCTN CACCCACATC TCCCGCTCCC AGAACCAACA GTACCTGGTC CGGGCCTCCT ATTTGGAGAT CTACCAGGAA GAGATTCGAG	
ACCTGCGCG GGNCATCCCG AATNCNTTTN AGCACATCTN CACCCACATC TCCCGCTCCC AGAACCAACA GTACCTGGTC CGGGCCTCCT ATTTGGAGAT CTACCAGGAA GAGATTCGAG AACCTNCNCT CCAAGGAGCC GGGNCAAGAG NGCTAGAGCT GGAANGAGAA ACCCCGAGAA	120
ACCTGCGCG GGNCATCCCG AATNCNTTTN AGCACATCTN CACCCACATC TCCCGCTCCC AGAACCAACA GTACCTGGTC CGGGCCTCCT ATTTGGAGAT CTACCAGGAA GAGATTCGAG AACCTNCNCT CCAAGGAGCC GGGNCAAGAG NGCTAGAGCT GGAANGAGAA ACCCCGAGAA CTGGCGTCTT ACATGCAAGG GACCTCTTCC TGCCTTGGTT CACCAAGNAA TGNG	120
ACCTGCGCG GGNCATCCCG AATNCNTTTN AGCACATCTN CACCCACATC TCCCGCTCCC AGAACCAACA GTACCTGGTC CGGGCCTCCT ATTTGGAGAT CTACCAGGAA GAGATTCGAG AACCTNCNCT CCAAGGAGCC GGGNCAAGAG NGCTAGAGCT GGAANGAGAA ACCCCGAGAA CTGGCGTCTT ACATGCAAGG GACCTCTTCC TGCCTTGGTT CACCAAGNAA TGNG (2) INFORMATION FOR SEQ ID NO:127:	120
ACCTGCGCG GGNCATCCCG AATNCNTTTN AGCACATCTN CACCCACATC TCCCGCTCCC AGAACCAACA GTACCTGGTC CGGGCCTCCT ATTTGGAGAT CTACCAGGAA GAGATTCGAG AACCTNCNCT CCAAGGAGCC GGGNCAAGAG NGCTAGAGCT GGAANGAGAA ACCCCGAGAA CTGGCGTCTT ACATGCAAGG GACCTCTTCC TGCCTTGGTT CACCAAGNAA TGNG (2) INFORMATION FOR SEQ ID NO:127: (i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 265 base pairs	120
ACCTGCGCG GGNCATCCCG AATNCNTTTN AGCACATCTN CACCCACATC TCCCGCTCCC AGAACCAACA GTACCTGGTC CGGGCCTCCT ATTTGGAGAT CTACCAGGAA GAGATTCGAG AACCTNCNCT CCAAGGAGCC GGGNCAAGAG NGCTAGAGCT GGAANGAGAA ACCCCGAGAA CTGGCGTCTT ACATGCAAGG GACCTCTTCC TGCCTTGGTT CACCAAGNAA TGNG (2) INFORMATION FOR SEQ ID NO:127: (i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 265 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: double	120
ACCTGCGCG GGNCATCCCG AATNCNTTTN AGCACATCTN CACCCACATC TCCCGCTCCC AGAACCAACA GTACCTGGTC CGGGCCTCCT ATTTGGAGAT CTACCAGGAA GAGATTCGAG AACCTNCNCT CCAAGGAGCC GGGNCAAGAG NGCTAGAGCT GGAANGAGAA ACCCCGAGAA CTGGCGTCTT ACATGCAAGG GACCTCTTCC TGCCTTGGTT CACCAAGNAA TGNG (2) INFORMATION FOR SEQ ID NO:127: (i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 265 base pairs (B) TYPE: nucleic acid	120
ACCTGCGCGG GGNCATCCCG AATNCNTTTN AGCACATCTN CACCCACATC TCCCGCTCCC AGAACCAACA GTACCTGGTC CGGGCCTCCT ATTTGGAGAT CTACCAGGAA GAGATTCGAG AACCTNCNCT CCAAGGAGCC GGGNCAAGAG NGCTAGAGCT GGAANGAGAA ACCCCGAGAA CTGGCGTCTT ACATGCAAGG GACCTCTTCC TGCCTTGGTT CACCAAGNAA TGNG (2) INFORMATION FOR SEQ ID NO:127: (i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 265 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: double (D) TOPOLOGY: linear	120
ACCTGCGCG GGNCATCCCG AATNCNTTTN AGCACATCTN CACCCACATC TCCCGCTCCC AGAACCAACA GTACCTGGTC CGGGCCTCCT ATTTGGAGAT CTACCAGGAA GAGATTCGAG AACCTNCNCT CCAAGGAGCC GGGNCAAGAG NGCTAGAGCT GGAANGAGAA ACCCCGAGAA CTGGCGTCTT ACATGCAAGG GACCTCTTCC TGCCTTGGTT CACCAAGNAA TGNG (2) INFORMATION FOR SEQ ID NO:127: (i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 265 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: double (D) TOPOLOGY: linear (xi) SEQUENCE DESCRIPTION: SEQ ID NO:127:	120
ACCTGCGCGG GGNCATCCCG AATNCNTTTN AGCACATCTN CACCCACATC TCCCGCTCCC AGAACCAACA GTACCTGGTC CGGGCCTCCT ATTTGGAGAT CTACCAGGAA GAGATTCGAG AACCTNCNCT CCAAGGAGCC GGGNCAAGAG NGCTAGAGCT GGAANGAGAA ACCCCGAGAA CTGGCGTCTT ACATGCAAGG GACCTCTTCC TGCCTTGGTT CACCAAGNAA TGNG (2) INFORMATION FOR SEQ ID NO:127: (i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 265 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: double (D) TOPOLOGY: linear (xi) SEQUENCE DESCRIPTION: SEQ ID NO:127: GAACATGNCG AGGCCATCGT AAGCNGGAAG CAGGAGGTGC TGCAGGNTTG GAAANAGCTG	120 180 234
ACCTGCGCGG GGNCATCCCG AATNCNTTTN AGCACATCTN CACCCACATC TCCCGCTCCC AGAACCAACA GTACCTGGTC CGGGCCTCCT ATTTGGAGAT CTACCAGGAA GAGATTCGAG AACCTNCNCT CCAAGGAGCC GGGNCAAGAG NGCTAGAGCT GGAANGAGAA ACCCCGAGAA CTGGCGTCTT ACATGCAAGG GACCTCTTCC TGCCTTGGTT CACCAAGNAA TGNG (2) INFORMATION FOR SEQ ID NO:127: (i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 265 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: double (D) TOPOLOGY: linear (xi) SEQUENCE DESCRIPTION: SEQ ID NO:127: GAACATGNCG AGGCCATCGT AAGCNGGAAG CAGGAGGTGC TGCAGGNTTG GAAANAGCTG CTGTAACTTG TNAAGGTTGC CCGCTTGCTT GTTAAGCTCC ACAGCCGNCG CCCTGGCCTT	120 180 234
ACCTGCGCGG GGNCATCCCG AATNCNTTTN AGCACATCTN CACCCACATC TCCCGCTCCC AGAACCAACA GTACCTGGTC CGGGCCTCCT ATTTGGAGAT CTACCAGGAA GAGATTCGAG AACCTNCNCT CCAAGGAGCC GGGNCAAGAG NGCTAGAGCT GGAANGAGAA ACCCCGAGAA CTGGCGTCTT ACATGCAAGG GACCTCTTCC TGCCTTGGTT CACCAAGNAA TGNG (2) INFORMATION FOR SEQ ID NO:127: (i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 265 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: double (D) TOPOLOGY: linear (xi) SEQUENCE DESCRIPTION: SEQ ID NO:127: GAACATGNCG AGGCCATCGT AAGCNGGAAG CAGGAGGTGC TGCAGGNTTG GAAANAGCTG	120 180 234 60 120

265 GCCTACCCCT GGCAACCCCC AGCCC (2) INFORMATION FOR SEQ ID NO:128: (i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 408 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: double (D) TOPOLOGY: linear (xi) SEQUENCE DESCRIPTION: SEQ ID NO:128: CTGCTGTNCG AGGCCGGNCC CCGGTGGGCT GNNAACGCTG GGACCTGCAG AAGCACTCTT 60 TCCTAATTNT AATCGGCGAT ATCGGTACAG AGAGTCANCT GNGGGCCGTG CGGGCCAACC 120 TTAAACAAGG GAATTCTTTC CTGGTAACAT TGACCTGTNA TCCTTTGANT TGAACCAACA 180 GTTGAAACTC TTCATTACCC GGCACCTAGC TCACTTCTCC TCAAAGGTCA AAGGCCAGAG 240 GACCCTTTGC CACCAGAGTG AAGATCCTAG AGACCATCAT CCTGGTAAAT CCCAGTGNCA 300 GACAGCATCA GCTCTGAGGT TTCATCATCT TCTTTAGGCA GTTCNTCAGT TTATAAACTA 360 408 TTATTTTGAA TGGGGCAAAG TTTTNGGAGC CTNGGGGGGN GACCTNAT (2) INFORMATION FOR SEQ ID NO:129: (i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 477 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: double (D) TOPOLOGY: linear (xi) SEQUENCE DESCRIPTION: SEQ ID NO:129: GGCGCNCTGC GGGAGNNGGG CTTCCCGTAC ATNACGCCGG TGCAGTCCGC AACCATCCCT 60 CTNTTCATGC GAAACAAGA TGTCGCTGCA GAAGCGGTCA CAGGTAGTGG NAAAANACTC 120 GCTTTTNTNA TCCCCATCCT GGAAATTNTT CTNAGAAGAG AAGAGAAGTT AAAAAAAGAGT 180 CAGGTTGGAG CCATAATCAT CACCCCCACT CGAGAGCTGG CCATTCAAAT AGACGAGGTC 240 CTGTCGCATT TNACGGAAGC ACTTCCCCGA GTTCAGGTGG AATTGGATGC AGTGTCCCTG 300 TTAAGTTCAT GGGGCTGTTT TNTCGAACTT NAATCAAAGG CTGTTTTTCT TGTTGTAGNC 360 CAGTTTCTTT TTGGATTCGG AGGCAGGAAT TCTGGAGGAA NTTTTTGAGA GGTTTAAGGC 420 AANAAGGTNG GGGACCATCA TNTTGGGCCA TTCCAAGGCC GTTTTGGNGG ACATTTT 477 (2) INFORMATION FOR SEQ ID NO:130:

(i) SEQUENCE CHARACTERISTICS:

(A) LENGTH: 137 base pairs(B) TYPE: nucleic acid(C) STRANDEDNESS: double(D) TOPOLOGY: linear	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:130:	
GCCAGCACCC GAACATNATC ACCCTCAAGG ATGTCTATAN TGGTGGCAGG TTTGTGTACC	60
TGGTAATNGA GCTGNATGCN TGGTGGGGAA GCTCCTGGAC CGCATCCTCC GGCAGAGATC	120
ACTTCTCGGA GGCGCCN	1,37
(2) INFORMATION FOR SEQ ID NO:131:	•
 (i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 320 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: double (D) TOPOLOGY: linear 	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:131:	•
GGCAGAGCAG ACTGTCCCCG TGTTGTCTGA GGCAGACCCC TCAGGTTGGT GAGCAGGGTG	60
CTNTGTGGCC GAGGGCTGGG TGGGCTGGCC TTTGCAGTCA TCTCACCATC TTCACGAGCT	120
TNTNTCTCTT CAGTCACGCC GATGATGGAG CTGAAGCCCA ACGCAGTNAG CNACCGTGCG	180
CTGGGTCTGG NAACACCCAC GCTGGACTTC GGCCGACGAG TGCCCCAAGC CAGAGCTGCT	240
GGCCATCCGT TTTCCTNGAA TGCTGAGAAG TGAAGCCAAG GCCCTGGGNG ACCTGGCCTT	300
GACTTNGGGG NTTCACCTGN	320
(2) INFORMATION FOR SEQ ID NO:132:	
 (i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 368 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: double (D) TOPOLOGY: linear 	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:132:	
GGCAGAGGTT GGTCTTTGCC ATGTCCTTTG TCCCGGNCAG NTTCACTCTT GTCCTCATTG	60
AGGAGCGAGT CACCCGAGCC AAGCACCTGC AGCTCATGGG GGGCCTGTCC CCACCCTCTA	120
CTGGCTTGGC AACTTTNTCT GGGAACATGG TGCGGGGGCT GCTTGGACGG GTGGGGGCCC	180
AGCCACTGCT TGCCACTGCC CTGTNTGGNC CCTTGTNAGN CAGGGGCTTG TCCAAGATGG	240
CONTROL OF THE CONTROL OF A THE CONTROL OF THE CANADAGCAA	300

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GGNGGTTCAA GGTGGGAACA GGGCTNAGGG TGGGCAGTGC CCAACTNNTT TTAGGGTTGA	360
TAAAAGGT	368
(2) INFORMATION FOR SEQ ID NO:133:	
 (i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 122 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: double (D) TOPOLOGY: linear 	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:133:	
GAGGGCCATT CAGTGNATGG GGAAAGGTGA ACATNCCATC GTGTACCTCA AGCCCAGCTA	60
TGGTTTTTGG TAAGTNTTGG GGANGGAAAA NTTCCAAATC CCACCAAATG CTGGAGCTGG	120
NA	122
(2) INFORMATION FOR SEQ ID NO:134:	
 (i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 200 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: double (D) TOPOLOGY: linear 	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:134:	
CTCAAACTCG CCTGGNAGCA CCCATCATCC CCNTGCCGGT CCTNACCTCT NCCTGGAGCN	60
GTCCCCCGC TTCCTTCCCC ATCCAAGGAG GAGGAGGGAC TAAGGGCTCA GGTGCGGGAC	120
CTNGAGGAGA AACTAGAGAC CCTGAGCACT TNAACGGGCA GNAGACAANG CAAAGTTAAA	180
AGAAGCTGGA GAAACANAAA	200
(2) INFORMATION FOR SEQ ID NO:135:	
 (i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 338 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: double (D) TOPOLOGY: linear 	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:135:	
TGTGCTACAT CACCTACGTN AGCAATCAGA CCTACCAGGA GCGGACCTAT AAGCAGCTNC	60
TCCAGGAGAA GGCAGCTTTC CGGGAAGCTG ATCGCNCATA GGAGCTCGAC CCCAAGTGCA	120

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TGTTGGTCCA GAACATCCTG AAGAGGGTAG AAGAAAGGTC TAAGCGGGAG TNCACTGTTT	240
TGGAATGCTC ANAAGGGNGC TGGAAAATGG TGGTAAAGGC ATGNAACGAG GGCGTTCAGG	300
NAAAATGAGC CGCACGGAAC AGATGATCAG CNTTTCAG	338
(2) INFORMATION FOR SEQ ID NO:136:	
(i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 108 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: double	
(D) TOPOLOGY: linear	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:136:	
ATGCGCTNCT GGTGTTCTNA GTGGCCAAAG TCTNTGCCCA GCCCAACNTG GCTGAAATGA	60
TTCAAAAAGG TGAGCAGNTA TTCCTGGTAG CCAGAGCTGT GTTCATNG	108
(2) INFORMATION FOR SEQ ID NO:137:	
 (i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 142 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: double (D) TOPOLOGY: linear 	
	٠
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:137:	
AAGCCCACAT NGCCACCCCG GAGCAGCTCT ATCCNGNCTA CNTTGGGGGC TATAAGCAAT	60
GTAATGCTGG CTGGNTTTGG GATCAAACCG TAAGTTATCC CATCCAGACC CCACGAAAGG	120
CCTNNAACGG GGACATNGNT GG	142
(2) INFORMATION FOR SEQ ID NO:138:	
 (i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 147 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: double (D) TOPOLOGY: linear 	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:138:	
AATNCANTCT TAAGGCCCAG GGGAACACAA TGAACTATGN ATTGACTGAA TGCAGAACCT	60
GGTTGTGGNA GAGCNAGCTG AATGTTTGGC CCAGAAGAAG CCTGTTCTGT TTTGGGAGCA	120
GTNANAACCA GNATATGACG TGAGAAA	147
(2) INFORMATION FOR SEQ ID NO:139:	

(i) SEQUENCE CHARACTERISTICS:

(A) LENGTH: 295 base pairs

(B) TYPE: nucleic acid (C) STRANDEDNESS: double (D) TOPOLOGY: linear	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:139:	
GGCAGAGNCT GCAGTTTGCA GNGCCCGGAT AACCGAGGCA GTGGCCCCTC CCGCGTCCCC	60
AGGTTTCAAG GACGCTAGGN CTCTCCGCGG CCCTGAGGCT TCGCACTGGG GAGTGGGGCC	1,20
GCCAGATGGG ACGTGTTCAT GAAGGGCCTG TCCATGGCCA AGGAGGGCGT TGTGGCANCC	180
GCGGAGAAAA CCAAGCAGGG GGTCACCGAN GGCGGCGGAG AAGNCCAAGG AGGGCGTCCT	240
CTACGTCGGA AGCAAGACCC CNGAAGGTGT TGTACAANGT NTTGGCTTTC AATGG	295
(2) INFORMATION FOR SEQ ID NO:140:	
 (i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 331 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: double (D) TOPOLOGY: linear 	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:140:	
NANGNGCTCT GCCAGGTNCG NACACTAGTG GATCCAAAGT AATTCGGCAG AGGATGGAGC	60
GGCAGGTCCT CCCAGACCCC GAGGTGCTGG AAGTGTGGGG GACAGGCAGG ATGGGCTAAG	120
GGAACAGCTG CAGGCCCCAG TGCCTCCTGA CAGTNTCCCC AGCCTGCAAA ANATGGGTCT	180
TCTGCTGGAC AAGCTGGCCA AGGAGAACCA GGACATCCGG NTGCTGCAGG CCCAGCTGCA	240
NGCCCAAAAG GGAAGAGCTT CANAGCCTNA TGCACCAGCC CAAAGGTTAG GAGGGAGGAG	300
AATGCCCAGC TNCGGGGGGG GTTCTGNAGC A	33:
AATGCCCAGC INCOGGGGG CITCISHIDI	
(2) INFORMATION FOR SEQ ID NO:141:	

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:141:

GAGGCGCTGC GTCTTTCCAG CGTTTCGCAT CCGGAATACA TTGGACGCGT CGGAAGTTCT

TTAGCGATAT CGGCGGCCG GCGCTACTAA TGCATGGTAC TGAAGGTGAA GTGTATGCTA

60

ATCCGCAGCG CTGCCCGCAG ATCAATCTCA TTGACCGTGA AAGGGATGCG GGTGCTGTAT	180
GAAAAACAGG ACACTGCTGG TAGCGAGTTA CTGCCACAAG CAAAAGATCC GGAAACCACG	240
GCGCATGGGT TGAGCCGTTG CCTTGCTGGG AGCGGAACCG ATTCCCGAAT CGCTGAAAAT	300
CCAGATGGNT TNCTNGCCTG GTGGTTACGG GTTAAGCGGG CAACTTTTCA GCGACGGNCT	360
TGGGGGCGTT TAATCCGGGC ATTTNAATTC CTTTTCTCTA	400
(2) INFORMATION FOR SEQ ID NO:142:	
 (i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 417 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: double (D) TOPOLOGY: linear 	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:142:	
GGCAGAGCCC CACCGTGTTT AAAAACTACA CTGCAAGCTT TNAAATCGAN AAGCGCCGCA	60
TTGAGCTCAA CATGTGGGAA CATTCAGGTT CCTCTNACTA TGAATAATNT CCGGCCTCTG	120
GCTNATNCCT GAATTCTGAA TGCTGTGCTC ATTCTGCTTC GAACATTAGN CGACCAGANA	180
CACTGGGACA GTGTTNCTTC AAGANAGNGG CCAAGNGGNG ATTTCAAGAG TTCCTGNCCC	240
CATGCCCAAG GTTGTGCCTG GTTGGGCTGT TAAACTGGGA CATGNGGGAC TTGAACCTGG	300
GCCCACACTG NNGGGAGCTG TTCCAGGCAG AGGGCTTATN CCCTGTTAAC ACATGNGCCA	360
AGGGCACTGT GCCTGGGCCA GCAGGTGGGG GGGTGTTGTC CNATGTTGNG TGGTNCT	417
(2) INFORMATION FOR SEQ ID NO:143:	
 (i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 100 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: double (D) TOPOLOGY: linear 	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:143:	
GGCAGAGTGG TGCTGGACAG TGACCAGCNG GTCAGTGCAG CTAGNCCACT NGCCCACGCC	60
TACTINNGCC AGTACCACGA CCCCGAGGAT GAGCCAGAGG	100
(2) INFORMATION FOR SEQ ID NO:144:	
 (i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 375 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: double (D) TOPOLOGY: linear 	

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:144:	
TACCTGGATA TNCNCGTNTA ACGCCGTGGG GGTCTGGNCC TAAGTGTGTA AGCNTTGCAC	60
GCCGTGGAGA AAGACGTGTG GACCGCCTGT GCCAGATGGC ATCCCCCACA AACTCGCNCT	120
ATGGGCAGAA GGAGTCCTCG GAATCAAAAC TTCGACTACA TGTTCAAAAT TCTNAATCAT	180
CGGCAACAGC AGCGTGGGCA AGACGTCCTT CCTCTTCCGC TAATGCTGAC GAACTTCGTT	240
TCAGGNCTGN TCTTCGTNAG CACCGTGGGG CATCGACTTT CAAAGGTTCA AGACCATCTA	300
TTCGCAACGT CCAAGAGGNT TCAAGTTGGC AGNTTTGGGG ACACAGCAAG GGCAAGAGCC	360
GGTTNCCGGN NCCTT	375
(2) INFORMATION FOR SEQ ID NO:145:	
(i) SEQUENCE CHARACTERISTICS:(A) LENGTH: 517 base pairs(B) TYPE: nucleic acid	

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:145:

(C) STRANDEDNESS: double
(D) TOPOLOGY: linear

60 GGCANANCGG CAGGAGGCTC NATACTACAA GCTGGGGGAG ACCACCCTGG AGGAGTGGAA GAGGCGTATC CAGGAGAATC CAGGGCCCTG GGGAGAGCTG GCCACGGACA ACATCATTNT 120 AACCGTGCCG ACTGCAAATT TTCGTACTCT GGAGAACCCT GAGCCCGNTG CTCCGCCTCT 180 240 GGGAATGAGG TGATGCAGGC TGTGGCGCGA CTGGNAAGCT GAGCCCTTCC CTTTGCGCCT GCTTCAAAGG ATTNTTGCCG ACGTGCAGAT CTTCAGTGGG NTGGGATGCA TNCAGGGTAC 300 CCCATCCATG TGCCATCTGG AGTTCAATGN CAGGAGCTTC ATTCAACGGG GAAGCTCCTT 360 CAGGAACCAA GGGGCTGTTG GGGGCCCCGT TCCATGAGCT GGGGCCGCAA CCAGCAGTGG 420 CAGGAGTTGG GGAGTTCCCA GGGACAATAC CAACGGGGGC NACTTGGAAN CTGTTGGTGG 480 517 TGTGTTATGT GCATGANAAC GTCTTTGGGG NNTTCTT

(2) INFORMATION FOR SEQ ID NO:146:

- (i) SEQUENCE CHARACTERISTICS:
 - (A) LENGTH: 270 base pairs
 - (B) TYPE: nucleic acid
 - (C) STRANDEDNESS: double
 - (D) TOPOLOGY: linear

⁽xi) SEQUENCE DESCRIPTION: SEQ ID NO:146:

AGCTGGNTNN CGCGCGCCTG AATTCGCCAG GAAGCAGGTA TGGNGTTCCA GCAGTTTTAC	60
CTCTTCCCGC ATCTNACAGC GCTGGAAAAC GTCATGTTTG GCCCGCTACG GTGCGTGGNG	120
CGAACAAAGA AGAGGCGGAA AAACTGGCAC GTNAGCTGCT GGCGAAAGTN GGTCTGGCAG	180
AACGTGGCAC ATCACTACCC TTCCGAACTT TCTGGTGGTG AACNGTCAGC GTGTGGCGAT	240
TNNCCGCGCN GTGGCGGTGG AAGCTGNGGG	270
(2) INFORMATION FOR SEQ ID NO:147:	
 (i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 331 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: double (D) TOPOLOGY: linear 	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:147:	
GGCACAGTTT CATTCCTGGT TTTAAGGAGT TCACGGGCCA TGTGGATCGC ATCTTTGAGG	60
ATGTCAAAGA GCTCACTGGA GGCAAAGTGG CAGCCTACAT CCCTCAGCTG GCCAAGTCAA	120
ACCCAGACCT NTGGGGTGTG TCCCTGTGCA CTGTGGATGG TCAACGGGCA CTGTGTGGGG	180
CCACACAGGG ATNCCCTTCT GCCTGGCAGT GCCTGGTNTG NNAGCCCCTN ACCTATGNCC	240
ATCTCCATGA AGGCACCCTN AGGCACTGGA CTTACGTGTC ACAANGTTTT NTGGGNCAAA	300
AGAGCCCAAG TGGGCCTGGC GCTTACGAAC A	331
(2) INFORMATION FOR SEQ ID NO:148:	
 (i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 401 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: double (D) TOPOLOGY: linear 	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:148:	
TTGNAGGTCG ACACTAGTGG ATCCAAAGAA TNTGGCNGAG CNAGGGGTGA AGTCCTTNAG	60
GCCCTGAATG GTCAGCTTGT CCACAGGGTG AATCTTGTTG TAGTCAGCCG GGTCANNNAG	120
GTNAGAGGCA GCAGGACCTG TTTNTTCAGG TTGGTCTCTG GAAAGCAGGC GGCATTCGGT	180
CATCGGGGGC CTNACTAGCC TGGAGAGCTT CATTTTCTAA ACCCATCTGG GGCTCTGGGA	240
AGATGCCCCT TAATCCTGNT GCCTGGGAAC AATNCCCGGG TCAGTGAACT TATGGGNGCC	300
CTGGGTGCTG CTTCCCTTTC AACTAGGGGT NCCCCTAGCA AGTNTGACGC TGGGTGCTGG	360
AGGTTTGCAA GGNCTTTCCT NGTTGGCACA TTGCATGGAT N	401

(2) INFORMATION FOR SEQ ID NO:149: (i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 316 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: double (D) TOPOLOGY: linear (xi) SEQUENCE DESCRIPTION: SEQ ID NO:149: ACTCACAAGC TTGNNTTTGA NCACCAGCCA GGTGACATCT TTGGCTGTNT GGCCGACATC 60 GGNTGGTTTA CAGGACACAG CTACGTGGTG TATGGGCCTC TCTNCAATGG TGCCACCAGC GTCCTTTTTG AGNAGCACCC CAGTTTATCC CAATGNCTGG TCGGTACTGG GAAGACANTA 180 GAGAGGTTGA AGATCAATCA GTTCTATGGC GCCCCAACGG GCTGTGCCGG CTGTTGCTGA 240 AATACGGTGN ATGGCCTGGG GTGGAAGAAA GTGATGGATC GGTCCNTGCC CTGNGGGACC 3.00 CTGGGGGTCA NTNGGG 316 (2) INFORMATION FOR SEQ ID NO:150: (i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 571 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: double (D) TOPOLOGY: linear (xi) SEQUENCE DESCRIPTION: SEQ ID NO:150: GATCATTATG CTAAGNTNGT NTGNGNCTCC AGGTCGACAC TAGTGGATCC AAAGAATTCG 60 GCACGAGCAG TTGGTGGAGG ACAGAAGGTC CGGTGGTTAA AGAAGGAAAT GGAGAAATAC 120 GCTGACCGGG AGGATATGAT CATCATGTTT GTGGATAGCT ACGACGTGAT TCTGGCCGGC 180 AGCCCCACAG AGCTGCTGAA GAAGTTCGTC CAGAGTGGCA GCCGNCTGCN CTTCTNTGCA 240 GAGAGCTTCT GCTGGCCCGA GTGGGGGCTG GCGGACAGTA CCCTGAGGTG GGCACGGGGA 300 AGCGCTTCCT CAATTCTGGT GGATTCATCG GTTTTGCCAC CACCATCCAC CAAATCGTGC 360 GCCANTGGAA GTACAAGGAT GATNGACGAC GACCAGCTGT TCTACACACG GNTCTACCTG 420 GNCCCAGGAC TGAGGGAGAA ACTNAGCCTT AAATCTGGAT CATAAATTNT GGGATCTTTC 480 AGAACCTCAA CGGGGCTTTT AGATGNAATG GGTTTTAAAA GTTTTAATNG GGAACCGGGT

540

571

(2) INFORMATION FOR SEQ ID NO:151:

GCGTATNCGG AANGNGGGCT AAGGACAAGG T

(i) SEQUENCE CHARACTERISTICS:

(A) LENGTH: 115 base pairs(B) TYPE: nucleic acid (C) STRANDEDNESS: double

(D) TOPOLOGY: linear	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:151:	
GGGAACATNG AGACTTGGGC CACCCAATTN GAGAGGATCT TGGACAGAAA CCCCTTCATA	60
AAACCTNAGC CTCAAAGGGC TTCNCTGACT GTGANAAAAA AAAAAAAAAA ANTCC	115
(2) INFORMATION FOR SEQ ID NO:152:	
 (i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 474 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: double (D) TOPOLOGY: linear 	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:152:	
GGTCNTGATT AACCTCATGA AGGGGCCAAA GNTCGGGGNC NGCGCCTGCG GGTCGACACT	60
AGTGGATCCA AAGAATTCGG CAGAGCAGCT TTTTNATGCC TTTNAAGATG ATAGGTATCT	120
GTNCATGGTA ATGGAGTACA TGCCTGGTGG AGACCTTGTA AACCTTATGA GTAATTATGN	180
ATGTGCCTGA AAAATGGGCC AAATTTTACA CTGNTGAAGT TGTTCTTGCT CCTGGATGCA	240
ATACACTCCA TGGGNTTAAA TTACACAGNG GTGTGNAAGC CTGACAACAT GCTCTTGGGA	300
TNAANCATGG GACATCTAAA ATTTAGGCAG ATTTTGGGCA CGTGTATGAG GGTGGATGAA	360
ACAGGGCATG GTTACATTGT GNATACGGCA GTTTGGGAAC ACCGGATTTA TATNNTCACC	420
TGAGGGTTNC TGAAAATCCA CAAGGGGGGT TGATGGGTTT TCTTATGGGG CGGN	474
(2) INFORMATION FOR SEQ ID NO:153:	
 (i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 538 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: double (D) TOPOLOGY: linear 	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:153:	
TACAGCGATC TNCGAGTGGN ACATGNTGGG TCCAAAGANT CGGCANAGGG ACAATCTCTA	60
ACTAGTGTCA TGGCTCCATC TGGGGCTGGG CTGGGGTCAG GACTCCGTCT GAGGCTGTNT	120
TTTGACTGTN AGGTAGCCCA GGCTGGGCTG ACTCCTGATT GTGCAGTTTT GCATCTTCTC	180
CCTGCTGAGA GTCCACCAAA GTNTTCTATG GTAGACCCAG TNTCTGGAAG TNATCATCAN	240

GCAGCAGCAA CAGGGNGTGT TGTAGGTCAG CAATGGGGAG ATAGGCAATG CAGAGGTGTC	300
TNTTCCAGNN CCCTGGAGAG CCATTTTGTC GGNANTTGGA GCTGGTNAAT NAGAGGNTGC	360
TTGAGCAGTG TCGGAATAAT CCCGTCAGGA CAGCTGCTAG TTCAAGCTGG TTTGGTGAAT	420
GTATGGANTA CTGAGAGGTG AGTGCAAAAG GTTGGCTGCT TCTAAGTTTG GTGAGTCATT	480
GTTTTNTTGC TNATTGCATG TTGGGNAAGA TACCACCTCA NTGCTTACGT TATCAGCN	538
(2) INFORMATION FOR SEQ ID NO:154:	
(i) SEQUENCE CHARACTERISTICS:(A) LENGTH: 353 base pairs(B) TYPE: nucleic acid(C) STRANDEDNESS: double(D) TOPOLOGY: linear	* 22
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:154:	
GGCAGAGGTC ATGATGGAGG TCGAGTCCTC CTACTCGGAC TTCATCTCCT GTAACCGGAC	60
AGGCCGTCGG AATGCGGTCC CTGANATCCA GGGAGACTCA AAGGCTGTAA GCGTAAGGNA	120
AGCTGGCTGG AGACATGGGC GAGCTGGCAC TCGAGGGGGC AGAAGGACAG GTGGAGGGGA	180
AGCGCCCCAA ACAAGGAAAG CTGGGCAACC AGCCCCAGAG CAGCGATGGG NACCACCTTC	2,40
GTTTTTGAAA TCTGAACCTT GTTCCAAGAA GGCTTGGACG AGAGACCCTT NTGTTCCCCT	300
TCCCANAGGG GGGGAACCCT GGGCAATTGG GCCCANAAAN GCTTTTTTT TTN	353
(2) INFORMATION FOR SEQ ID NO:155:	
 (i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 374 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: double (D) TOPOLOGY: linear 	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:155:	
GGCAGAGCCC AGCAGGGAAT AAAATTTTTN NAAACCCTAG TGCCATATGN TGAAGGGGCC	60
CCTGCTTTTA AGGGAAGGGC TCCTGCCTTT NCTNACGCTT CTNTCCACCC CAGGTATGAT	120
CTCATGTACC AGTGCCTGGA GTGCTGACCC CAAGCAGCGC CCGANCTTTA CTTGTCTGCG	180
AAATGGGAAC TGGGAGAACA TCTTGGGCCA GCTGTCTGTG CTNATCTGCC AGNCAGGACC	240
CCTTATGACA TCAACATCGA GAGAGCTGAG GAGCCCACTG CGGGGAGGCA GCCTGGAGCT	300
ANCTGGCAGG GGNTCAGCCC TACATGGGGG TTGGGGATGG CATTGGCNTN GGGGCATGGG	360

374

GTGGCACTNC CCAT

60

120

(2) INFORMATION FOR SEQ ID NO:156: (i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 402 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: double (D) TOPOLOGY: linear (xi) SEQUENCE DESCRIPTION: SEQ ID NO:156: GGCACGAGCA ACTGCTGGTT CTCCTAGAGG CCTCTCCTCA AACTCGCAGN CTGCCTGATC ATTGCTACAG AATGAACTCT AGCCCAGCTG GGAACCCCAA GTCCACAGCC CTCCAGGGCC 180 CTTCCTCAAA GTCATCGGCA AAGGGAACTA CGGGGAAGGT CCTACTGGCC AAGCGCAAGT 240 TTGGATGGGG CGTTCTATGC AGTGAAAGGT ACTACAGAAA AAGTCCATCT TTAAAGAAGN 300 AAGAGAGCCA CATTCATGGG CAGAGCGCCA TNTGGCTTTC TGAAAGAACG TGCGGGCACC 360 CCTTNCTTGT GGGGGNCTGN GCTNATTCCT TTCCAGAACA AC 402 (2) INFORMATION FOR SEQ ID NO:157: (i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 334 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: double (D) TOPOLOGY: linear

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:157:

CAGACGCTGT	CCAGCTGGNA	GTAACAGTGG	GGCCTGGTGA	ACGTCGGATC	GGCCCAGGGG	60
AGCCCTTGGN	AACTCCTGTG	CAATGTGTCA	GGGGCACTTC	CCCCAGCAGG	CCGTCATGCT	120
GCATACTCTG	TAGGTTGGGA	AGATGGCACC	TGCGAGGGCA	CCTGGGCCCT	GGCCGCCTGG	180
TAAGCCCAGC	TGGACACAAA	GGGTGTGGGN	CAGCCTGGGC	CCTGGCTATG	AAGGCCGAC	240
ACATTGCCAT	GGNGCAAGGT	GGCATCCAGA	ACATACCGGN	TTAGNGTTAG	AGGCTGCCAG	300
GNCTGGGTGA	TGCGGGCAAC	TNACCGTTGT	CTTG			334

(2) INFORMATION FOR SEQ ID NO:158:

- (i) SEQUENCE CHARACTERISTICS:
 - (A) LENGTH: 369 base pairs
 - (B) TYPE: nucleic acid
 - (C) STRANDEDNESS: double
 - (D) TOPOLOGY: linear

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:158:	
GGCAGAGTTT GTTTTGAAGG AGACCGGNTG GCATTCTTCG GGACAGAGAT ATCTTTCAGA	. 60
TCCAATGGAG AAGCACTCCA GCAGCTATAA TCAAGGTGGT TACAACCANG ACAGCTATGG	120
ATCAAGCAGT GGGTACAGTC AGCAGGCGAG TTTGGGGCCA NNCTCAGATG AGTTTGGCCA	180
ACAGCCTACT GGCCCCACTT CCTTTACCAA TCAGATTTAA CAGAGTAGCA TTTGCATTCT	240
TCTGCAGTGC GCCTCACCAT CTTCCATTTC AGTGGGCAGA AGAATTTTTT AAGGGTTTCA	300
ATCAATTATT ANTGCAGAGA GTATTGANTG TNAATGCAGA GCTCTCTAGT NTTNCATTAA	360
GGCAGCAAT	369
(2) INFORMATION FOR SEQ ID NO:159:	
 (i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 442 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: double (D) TOPOLOGY: linear 	*
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:159:	
GGCAGAGCCA AGGCGNTGGC TNGAGGGAGT CAGCGGCCTC GGGCTTGGGG GCCTGTTGGA	60
GGAGGAAGGA GCCGGGGCAG GTGCTGCCAA GAAGGAGGTG CTGGAGCCTG GCAGGGAACT	120
CTCCACCCTC NTGGAGGCCG CAGCCTGNAT GGTGAAGGCC AGCCAGACAG AAGACGTGGA	180
TGGNACCTGG GGCTCTTCAG CAGCCAGGTG GAGCGAATCA GGGGGCCAGC ACAGACTTNT	240
CGGCGACCCT CCCAAGGCCC TCCTGCCAGA TCCCCCAGTT CAGGACTTTT TCCTTCATTG	300
AGGACACCGA GATCCTCGAA CANTNCCCAT GTTATCGGGA GCCGTGCCAA TTTGGGGGCG	360
CAATTTTGG GGGCAACGGG GCCCCGGTCC ATTCGGNCTG GGGGGTTACT TTGGGNCTTT	420
NGGGGGNAGC ANAATTCGGA TG	442
(2) INFORMATION FOR SEQ ID NO:160:	
 (i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 133 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: double (D) TOPOLOGY: linear 	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:160:	
CGGCTTTATT TCTACCCCAC ATCTTTCTNC GCNTCATATG GTCCACACGG GAGATCAGCC	K C

CTATTATTGT NAGAGTGTGG GAGTGCTNCG ATAGGCCNCG TGTCTTTGAN ACATCAGAGA

GNCCCCGTGG AGA	133
(2) INFORMATION FOR SEQ ID NO:161:	
 (i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 396 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: double (D) TOPOLOGY: linear 	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:161:	•
GGCACGAGAA CACCTATGGN TTTCCAATGG ATCTAACTGG ACTAATTGNT GAAGAGAAGG	60
GCCTGGTGGT AGACATGGTT GGCTTTAAAG AGGAGAGGAA ACTGGCCCAG CTGAAATCAC	120
AGGGGCAAGG GAAGCTGGTG GGGAAGACCT CATTATGCTG GACATTTACG CTNATCGAAG	180
AGCTCCGGGG CACGGNGTCT GGAGGTCACA GATGATTCCC CAAAGTTACA ATTNACCATT	240
TGGNGCTCCA GTGGTAGCTA ATGTATTTNA AGANACACAG TGGGCTACGG GTGAATGGTT	300
TCTGCGNCAG GGGAGNAAGA TGTTCCGTGG GGAGAGGTGT TCCCACAGGT CCAGGAGTTG	360
TTGGGAGTTG GTTGCNTGGG ACAAGANCCN GTTTTT	396
(2) INFORMATION FOR SEQ ID NO:162:	
 (i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 419 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: double (D) TOPOLOGY: linear 	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:162:	
TGGCACGAGT GCGACGCGT GGTCACCATG TGGATCTTGG GTCTGAGGAA AGAATTTNAG	60
GAAGCCAGGA AGTGGGTGTC GAAGAAGTTA CACTTTGAAA AGGACGTGGA CGTCAACCTG	120
TTTNAGAAGC ACGATCCGCA TCCTGGGGGG GCTCCTGANT GCCTACCACC TGTTTGGGGA	180
CAGCCTCTTC CTGAGGAAAG CTGAGGATTT TGGAAATCGG CTAATGCCTG CTTTTCAGAA	240
CACCATCCAA GATTCCTTAA CTTCGGGATG TGAAACATCG GTNACTGGGA GTTGCCCACC	300
CGTNCACGGT GGGAACCTCC GACAGCACTN TGGGCCGAGG TGACCAGCAT TTCAGCTGGN	360
AGTTTCCCGG GAGCTCTNCC CGTTTTTCAC AGGGGGATNA AGNAAGTTTT TCAAGGGGG	419
(2) INFORMATION FOR SEQ ID NO:163:	

(i) SEQUENCE CHARACTERISTICS:

(A) LENGTH: 438 base pairs
(B) TYPE: nucleic acid

(C) STRANDEDNESS: double
(D) TOPOLOGY: linear

(2) INFORMATION FOR SEQ ID NO:165:

(i) SEQUENCE CHARACTERISTICS:

(A) LENGTH: 465 base pairs(B) TYPE: nucleic acid

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:163: 60 NNANACTGAG TGGATCCAAA NAATTCGGCA GAGCAGTGGA AGATCAAAGC AATCGGGCAT GTAATAGAGG ANGGCGGTGT CAAAATAAAG CTAACCGTAA TCANCACCCC AGGCTTTGGA 120 180 GACCAAATCA ACAATGAAAA CTGCTGGGAA GCCCATTAAG AAAGTACATC AATGAAGNCA GTACGNGAAA GTTCCTGAAA GGAGGNGGTT CAACATCGCC AGGTAGGAAA CGCATCCCTG 240 AAAACTNCGT GTCCACTGNT GCCTTTGACT TGCATCTCTC CCACAGGNCA CTCCTTGCGA 300 ACCTCTGGGA TCTTGAAGTT NCATGAAACA CCTTCGGCAA GGTTNTGANA CCTCATCCCT 360 GTTCATTGCT TANGGCNTGG ACACCCTGGA CCCTGGTGGG TGGAANGTCT GATTTTCAAG 420 438 CCAAGGGTTT CGCCAAGG (2) INFORMATION FOR SEQ ID NO:164: (i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 554 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: double (D) TOPOLOGY: linear (xi) SEQUENCE DESCRIPTION: SEQ ID NO:164: NTNTGACTNC AGGTCGACAC TAGTGGATCC ANAGAATTCG GCACGAGAGC CGGCTCGGGG 60 AGAAGCAGCT CANCTGGGAC ATAAGGTGAC ACAACTGGCA AGCTATTTTA AGCCCTTNAN 120 CTTAGCCGCA GTTGGTGTGG CCTCCAAGAT TCTTGATCAT CAGCAGCAGA TGACGGTGCT 180 GGACCAGACC AAGACTCTCG CAGAGTCTGC CTTGCAGATG TTGTATGCAG CCAAAGAAGG 240 TGGCGGAAAC CCCAAGGCAC AACACACCCA TGACGCCATC ACAGAGGCCG CCCAGTTGAT 300 GAAGGAAGCC GTGGATGACA TCATGGTGAC GCTGAACGAA GCTGCCAGTG AAGTGGGGCT 360 GGTTGGGGGC ATNGTGGACG CCATTNCAGA AGCCATGAGC AAGCTNGATT GAAGGCACTC 420 CTCCAGAACC AAAGGGNAAC ATTTTTTCGA CTATCAGACG ANTGTGGTTT AAATACTCCA 480 AAGCCATTTG CGGTTGANCA GCNTNAGGGA AATGATGACT AAGTCGGTTT ACTAACCCGG 540 AGGGNGTTTG GGAG 554

(C) STRANDEDNESS: double (D) TOPOLOGY: linear

	•
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:165:	
GGCACGAGGG CCCNCGGCAC TAAGTCATCT TGGAGTTATT AACCACTGGG CCCTAGGCAC	60
TAAGTNATTT GTGGAATGTA AAGGTTCCTA GCGAGCATCT CACCCCAGGC TCCAGGGCCT	120
CCTGAGTGCA CTGAATTTAT TTTGCACAAT ATCGTGCACA TGAGCTCATC TGNGAAGAGC	180
ATCCAGTCTT CATCAGTCTA CCAAACCTCA GGAACCACCG TTTCCCCCTC AGTTCCTTGC	240
AATCTGTTCA TTTAAGGATG AGGAACCAAA GTCCAGGAAA GAGGAAGGGG TTGCCCAGGG	300
TACTGGATAG TNTTCTGCAG AGTGGGACAA GGGCTCTCTG GGTNTTTCTG ACTNCACCAN	360
ATCTNGTTCA CCCCTGNACC TGGACCTCCT TGGAACCTCA GTTTCTCCCT GAGGGGACCC	420
TGCACACCCA CAACTTCANA ACAACATTTC CTTANAANCT AGNGG	465
(2) INFORMATION FOR SEQ ID NO:166:	
 (i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 320 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: double (D) TOPOLOGY: linear (xi) SEQUENCE DESCRIPTION: SEQ ID NO:166: 	*
ATNANTITAG AGTCAAGTAT GAAACANACC TGGCCATGCC CCANTTTGTG GAGAACGANA	60
TCCATGGGCC TCCGCAAGTC CATTGAATGA CACCAATATC ACACGACTGC GAGCTGGAGA	120
CAGAGAATCG AGGCTCTCAA GGAGGAGCTG CTCTTNATGA AAGAAGAACC ACGAGGAGGT	180
AAGTTAAAAG GCCTTACAAG CCCAGATTGC NAGCTCCTGG GTTGAACCGT GGAGGTTAGA	240
TGCCCCCAAA TTTTNAGGGA CCTCGCCAAG NTCATGGNCA GACNTCCGGG CCCCAATATG	300
AACGAGCTGG CTCNGTAGGA	320
(2) INFORMATION FOR SEQ ID NO:167:	
(i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 154 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: double	

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:167:

TTACATCGCA TACTTCTGAA GTCCATTCCN GAGCTATTCT GTTGTGACTT TTNTCGNGAC	120
CGATTCGGCA GGAAGACANC TGATNCCTGT CCCG	154
(2) INFORMATION FOR SEQ ID NO:168:	
 (i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 497 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: double (D) TOPOLOGY: linear 	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:168:	
GGCACGAGAA GCCTGAGACT AGGGAGGAGA GGGTTGCTCC AAACTGGTTC CTACACAACC	60
AGGAGGCAGC CCTAGGAACT TCAGATCAAA GCGGATGGAC TTTGGATTAC AGGAGAAATA	120
TTTAGTGGTA TCTGGAAAAG AAATACATTA AAAAGAATAA AATAACTTTG AAATTAAAAA	180
ATCCCAACAA TCTTTTGTTT CACATTTTAG CTGCGGATCA GCATTTAGGG TAAAGGTGTA	240
ACTTCCTCCT GAAGGTACAT CCTTGGCTAG AAATCTGAAA GGCCAGGTCA TTNCTTTGGT	300
TCTCTGGAAC CGGATTTAGG CATAGTTTCC ATTCAAGTTT TTCTNGGTNC TTTGAAGTNA	360
ACCTTTTCCA NTATTATTCC ANTGGGTTTA GGGCTTAGTT ATTATGAATG TNCCCTCAGA	420
TGGGCAACTC CGGTTTTCAN CCNTCAGGTC TAGCCCTGGG GAAGGAAGNA GGAGGGCCAG	480
GTTCNGGTGG GTTCAAA	497
(2) INFORMATION FOR SEQ ID NO:169:	
 (i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 80 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: double (D) TOPOLOGY: linear 	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:169:	
GGCACGAGGG ААААААААА ААААААААА ААААААААА АААААА	60
AAAAAAA AANAANAN	80
(2) INFORMATION FOR SEQ ID NO:170:	
 (i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 262 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: double (D) TOPOLOGY: linear 	

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:170:
GGCACGAGCC ATGCCCCGCT ACGCCGACGC GTCGNNACGC AACACGCTTA GCGGCTTCTC 60
CTCAGNCCAC ATGGGCAGTN ACGTTCCCAG CCCCANAGCC AGGGTCACCA CGCTGTNCAA 120
CCCCATNGTG GNCTCGGTCT CCAGACGGAC CGCACCCCGA GGTAAGTGGG GCAGTGTCCG 180
GACCAGTGTG ANGNAGCAGT GGTCTTGGCA CCGATGTGGG CTCCCGGNTA GCTGGCAGAG 240
AACGCGCTNG NCCCACCCCA GG 262
(2) INFORMATION FOR SEQ ID NO:171:
 (i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 105 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: double (D) TOPOLOGY: linear
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:171:
AGAGCGCCC TAACCGTAAA GGTCGTTACC TGTATATGGA ACCCAAGCCC TACCTGGAAG 60
TCTNCCTGCA CTNGGAGCCC CGGNCCAATN TGAGNAACTG ATCGG 105
(2) INFORMATION FOR SEQ ID NO:172:
 (i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 195 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: double (D) TOPOLOGY: linear
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:172:
CACGNNNCGG CACGNCACCG TTCACCTTCC AGCCAGAAGG GGTCACGTGG CGGGAGCAGA 60
AGGAGCAGCG GGCCGCCCTC ATGGTGGGCA TGNTCGTTGG CGTGTTCGNG CTCNGCTGGT 120
ATCCCCTTCT TTCTCACCGA GCTCATCAGT CCCCTGCGGC TCCTGNGACA TCCCCGGCCA 180
NCTGGAAAAG CANCT
(2) INFORMATION FOR SEQ ID NO:173:
 (i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 323 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: double (D) TOPOLOGY: linear

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:173:

GGCACGAGCA CACACGNACC ANCATCTACA GGACGTGGAC ATTNAGCCCT ACGTCAGCAA	60
GATGCTAGGC ACTGGCAAGC TGGGTTTNTC CTTCGTACGC ATCACGGNCC TGCTTGTNGC	. 120
GGGCAGCCGG CTCTGGGTGG GCACCGGCAA CGAAGTGTTG CATCTCCATC CCCCTGAACA	180
GAGACTGTGG TCCTGACACC GAGGCCAGCT CCTGGGGNTC CGAGCCAATT AAGAACATCC	240
CCCACCTCTG GGGAGGGCGC CCGTCCCGGG GGCATCATCC ACGTGTATNN GCGATGACAG	300
CANTNAACAG GGGGGGNCAA CAG	323
(2) INFORMATION FOR SEQ ID NO:174:	
 (i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 248 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: double (D) TOPOLOGY: linear 	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:174:	
CCAACCCTGG TGTGGTACCA NCCCGATGGC ACTCGGGTGG TCAGTNAGGG ACACACTTTG	. 60
GAGAACTGCT GCTACCAGGG AAGAGTGCGG GGATATGCAG GCTCCTGGGT GTCCATCTGN	120
CACCTGCTCT GGGCTCAAAG GCTTNGTGGT CCTGAACCCC AGAGAGAAGC TATACCCTGG	180
AGCAGGGGC CTGGGGACCT TCNAGGGTNC TGNCCATTAA TTTNNGCGGA ATCCAAGATC	240
TCCACCTG	248
(2) INFORMATION FOR SEQ ID NO:175:	
 (i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 242 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: double (D) TOPOLOGY: linear 	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:175:	
GGCACGAGCC AATGTGGCAG CCGCCCTGGG GGTGGCAGAG CTCCTNTTCC TGCTGGGGAT	60
TCACAGGACC CACAATCAGN ACCTTCGNGT GGNTCTTCGT GCAGGGGCTG CACCTNTACC	120
GCATGCAGGT TGAGCCACGN AACGTGGACC GTGGCGCCAT GGCTTGCTAC CATGCCCTGG	180
GCTNGGGCGT CCCTGGCTTT GCTGCTGGGC CTTGCTGTGG GGCCTGGACC NTNAGGGNCT	
NT	240
	242
(2) INFORMATION FOR SEQ ID NO:176:	
(i) SEQUENCE CHARACTERISTICS:	

(A) LENGTH: 198 base pairs(B) TYPE: nucleic acid(C) STRANDEDNESS: double(D) TOPOLOGY: linear

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:176:	
TGAAGGAGTN CTTNCTTNNA ACGAAACGCT CCAACGANTA CCACCTGATT AATTGTCCCC	60
AGTACTTCCT GGACAAAATC GACGTGAATC AAGCAGGCTG ACTATTTCCC GAGCAATCAG	120
GACCTGTTTC GNTGCCGTTT CCTGATTTCT GGAATNTTTG AGANCCAAGT TCCAGGTGGA	180
NAANGTAAAC TTCCACAT	198
(2) INFORMATION FOR SEQ ID NO:177:	
 (i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 276 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: double (D) TOPOLOGY: linear 	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:177:	
AGGGCCAGCG GGACAGGGCA GAGNTCATCN TNTTGCAGAA TNTGGGGGGT GGGGAGGCAG	60
GGCCACAGGA AATAATTGGG GTNCAGCTCC AGCCCCTCCA ACCAGCCCCA GAAGTAACCA	120
CGGTCCAGCT CCAGCCAGCG CANGAGGTGA CCACAGTCCA GCTCCAGCCA GCACAGGAAG	180
TAACCACGGT CCAGCTCCAN CCAGCACAGG AGGTGACCAC GGTCCAGCTC CAGCCCGTGG	240
CCGGCCAGNT NTCCAATTCC ANTGGGGGAG CTNTGG	276
(2) INFORMATION FOR SEQ ID NO:178:	
 (i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 214 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: double (D) TOPOLOGY: linear 	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:178:	
GGCACGACCT CGTCCAGCGA CTCAAGTCTC ANCGGATTGC AAAGTTCGCC TTTAACTATG	60
CCACCAAGAA GGGGCGGGC AAGGTCACTG CTGTCCACAA GGCCAACATC ATGTGANGGG	120
GCATGGCTTT GTNTAGGGAT GGGTTCCTGG GAAGGTAGCC CCTGTACTTT CTNGGGTAAT	180
TCTGTCCNCT TTGGGCNATG GGACAGGTAA ACTT	214
(2) INFORMATION FOR SEQ ID NO:179:	

(i) SEQUENCE CHARACTERISTICS:(A) LENGTH: 266 base pairs(B) TYPE: nucleic acid(C) STRANDEDNESS: double(D) TOPOLOGY: linear			
	:		
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:17	9:		
GGCACGAGGC AGGATGAGCG CTGGCAAGAC CTCAATGTGA	TCAGCAGCCT	GCTCAAGTCC	60
TTNTTCCGAA AGCTGCCCGA GCCTNTTTTN ACTGATGACA	AATACAACGA	CTTCATNGAG	120
GCCAACCGCA TTGAGGACGC GCGGGAGCAA TAAGGACGNT	GCGGAAGTTG	ATCCGGGGAT	180
CTCCCAGGAC ANTACTATGA AANGNTTCAA ATTCCTTGTG	GGGCCATNTT	TAAGACCATG	240
GGTGGACCAC TTTNAGTTCA CCCTTT	•		266
(2) INFORMATION FOR SEQ ID NO:180:			
(i) SEQUENCE CHARACTERISTICS:(A) LENGTH: 60 base pairs			
(A) DENGIR. OF Dase pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: double (D) TOPOLOGY: linear			
(b) Torologi. Illiear		•.	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:18	30:		
TTCCAGAGGG CCACANAGGT GCTCNGCGCC GCCCAAGGAG	ACCATNTCCC	TGGCCGAGCA	60
			60
(2) INFORMATION FOR SEQ ID NO:181:			
(i) SEQUENCE CHARACTERISTICS:(A) LENGTH: 190 base pairs(B) TYPE: nucleic acid(C) STRANDEDNESS: double(D) TOPOLOGY: linear			
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1	81:		
GGCANNGGGA AAGTGGGGNT TAAAAAGGGA GAAGCAGACC	TCTGNATGNA	TCTGCCGCTT	60
GAACATGTCA GCTTTNAGCT GAAACCTCCC GACGCGCCAT	CTCCTCATTC	AAAGGTCTGC	120
NTCTCCCTTT TCAACCCCAA CTTTCCTTCT NNAAGGGTTT	TCCTGNAGAC	TGCATTTCNT	180
GGGTTTTCCT	•		190
(2) INFORMATION FOR SEQ ID NO:182:			

.. (i) SEQUENCE CHARACTERISTICS:

(A) LENGTH: 166 base pairs(B) TYPE: nucleic acid(C) STRANDEDNESS: double(D) TOPOLOGY: linear			
(b) forobodi. Illieuz		•	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:182:	: :		
GGCANAGACA ACCGTGAGAA GCTCAGCGAG TCGGTGCTGA TG	GAAGGGGGA	GCGGGTNATC	60
GCNATCCTAA AGCTCATTGA GCACCCCCAC GTCCTAAAGC TO	GCACGACGT	TTNATGAAAA	120
ACAAAAAATA TTTGTNACCT GGGTGGCTCA GGAGACCAAN AN	NTGTN		166
(2) INFORMATION FOR SEQ ID NO:183:			
(i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 167 base pairs	:		
(B) TYPE: nucleic acid(C) STRANDEDNESS: double			
(D) TOPOLOGY: linear			•
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:183	: -	; +	
GGCAGAGGTG TGGACGGCAT AAATGTAATA NNATATGCTG TG	GTGGATAAG	GAGCACAAGT	60
NTCCTTTGAT TTGTGGGAGG AAACTCCGTT GTGGCCTTCA TA	AGGTGTGAA	AGGAACCTTG	120
TNCATCGTGG GAAACTGCCC CCAGANGCAA TGCGGTTTGN N	TTTTTN		167
(2) INFORMATION FOR SEQ ID NO:184:			
(i) SEQUENCE CHARACTERISTICS:			
(A) LENGTH: 163 base pairs(B) TYPE: nucleic acid			
(C) STRANDEDNESS: double			
(D) TOPOLOGY: linear			
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:184	:		
GGCANAGCGG CANGAGCCAC AATGAAACCA AGGAGGTAGA A	GATGACTGG	AAATACGTGG	60
CCATGGTGGT GGACAGAGTA TTTCTTTGGG TATTTATAAT T	GTNTGTNTA	TTTGGNAACT	120
GCAGGGCTTA TTTCTACAGN CCCACTTACT TTGGGGGGGG G	GN		163
(2) INFORMATION FOR SEQ ID NO:185:			
(i) SEQUENCE CHARACTERISTICS:(A) LENGTH: 329 base pairs(B) TYPE: nucleic acid(C) STRANDEDNESS: double(D) TOPOLOGY: linear			

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:185:	
GGCACAGCAA GCNTTCACAG GTGGTGGNAT TNTTGGGGGC CCAGCTAAGC CCAGCCCGCC	. 60
GGCGGCAGCA CATGCAGGAG CGCAGAGCCA CCCAAACCTC TCCACTATTT AATCAGGAAG	120
GGTCCCCCTA GCCCTAAGGC TTCTTTTTGC TTCCAGGTGA AACACAGNAA GANTCAGCCT	180
TCCCAGCAGC CNGGGGGGAG ACCCACAAGC CCCTAAAAGC NTGCACTCAA GAGGGGGCCC	240
AGTNTTCACC AGGAACCTTG GAGGAAGTTC CCACAGGGAG CGCAAAGTNC GGCAGGCATC	300
GNCCTTCCGG GGCTTCTTNT TNTGGCATT	329
(2) INFORMATION FOR SEQ ID NO:186:	
 (i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 159 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: double (D) TOPOLOGY: linear 	a.
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:186:	٠
AGCAAGGNAG CTCTGGCTGA NACCACCGGN NAGACGCACC TCCGGGACCA CACCCACCAA	60
GGCTCCTGCC CCTNTTGTTC CTGGGGTCCC CAGTTGTTCT TAGGGCCTNC TGTGGGGCCA	120
GGCCCGANTG NGCTGTGNGA GCACTTCATT ACCGAAAGG	159
(2) INFORMATION FOR SEQ ID NO:187:	
 (i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 353 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: double (D) TOPOLOGY: linear 	
())	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:187: GGCACGAGGC GCTTTCTNCC NATTGTNTGG TTTTACTTTT GTNCTGGTAT GAATTCGATT	60
	120
CCATTTTAAT NCATCCTGTT AAATNAAGTT AAATGAGGGG AAANCAAAAC CAAAAGGNAA	180
AAAAGGCACA GAGTGAGAGA CAACCCAGCA CAGGACCCCC AGGAAGGCAA GCAGTAACGC	
TCCAGCAGCC GGGTTGTGCT GCCTGGGCCC AGGCTTCTGC NAGGTGGTTT ACAGGCGGGA	240
ACCATTGNTA CCACAACCAC CAAAGGNGGT GGGAGTNCTG TGTTGTGCCC CTTTACAGAA	300
GAGGAGACCG NGNNCTCAGA GAAGATCCAG CAGTAAGATT TAGAGTCAAG GTT	353
(2) INFORMATION FOR SEQ ID NO:188:	

(A) LENGTH: 392 base pairs(B) TYPE: nucleic acid

(A) LENGTH: 387 base pairs(B) TYPE: nucleic acid(C) STRANDEDNESS: double(D) TOPOLOGY: linear

(C) STRANDEDNESS: double (D) TOPOLOGY: linear (xi) SEQUENCE DESCRIPTION: SEQ ID NO:188: GGCACGAGGC CAGCNTTCGC CAATNNTTGG AGAGTGGGGT TNTGGGGTCA GGTGGGGGAC CCCCACGGGG TCTGGANTTC TNCCGGGAGG AGATCACCAC CTTCATCGAT GAGACACCTC 120 TCCTTTCTCC GACTGCTTCA CCAGGGCACT CTCCTCGTCG GCCCCGGCCA CTGGGNCTNT 180 AACCCCGCCG ACTCTTCCCT TGGNTCCCCT GAGAAGCAGA GCCGTTGGAC TTCCTTTGGG 240 AACTGAAGCG CAGGGAGACG CTGCTCCCTG ACGGGGGTG AAGAAAGTNC CAAGGGCTTG 300 GGGAGGATCC TGGGGCCCAG GCAACCCCAT NTTTTCCCCA GNTGACCTGT NAAGCCCAAG 360 392 CAGGNTGTTG NAACTTCAGA GGAGAAAGTT GA (2) INFORMATION FOR SEQ ID NO:189: (i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 450 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: double (D) TOPOLOGY: linear (xi) SEQUENCE DESCRIPTION: SEQ ID NO:189: GGCACGAGCT GGGCTCATTC CCAGCCAGCT GCTGGAGGAG AAGCGGAAAG CATTTNTNAA 60 GAGGGACCTG GAGCTGACAC CAAACTCNGG GACCCTATGC GGCACCTTTT AGGAAAGAAA 120 AAGAAGCGAA TGAATGTATT TNACCACCAA GNAATGCAGC CTGGTGAGCA GCGCNATCTC 180 CCTGTNTCCA GAGTTTGACC GTNATGAGCT GCTCATTTAT GAGGAGGTGG CCCGCATGCC 240 CCCGTTCCGC CGGAAAACCC TGGTACTGAT TGGGGGCTCA GGGCGTGGGA ACGGCGCACT 300 GGATAGGAAC AAGCTCCTTC ATGTGGGGAT TCCAGATTCG NTATGNGCAC CAAGGGTGCC 360 CTAAAAACTT CCCGNGGGNC CGNAAAAATT CAGAGCGGGG AAGGTTCAGG GTTTAACAGT 420 450 TTTTTTTTCC CCTTGGGGGA AGATGGNAGG (2) INFORMATION FOR SEQ ID NO:190: (i) SEQUENCE CHARACTERISTICS:

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:190:	
GGGCAGGGAC GCCCTGGCGC CTCTNTAGGC CGACTNCTCG AGCTGCTTAC CAAGCTGGGC	60
CGCGACGACG TGCTGCTGGA GCTGGGACCC AGCATTGAGG AGGATTGCCA AAAGTATATC	120
TTGAAGCAGC AGCAGGAGGA GGCTGAGAAG CTTTTACAGG TGGCCGCTGT AGACAGCAGT	180
NTCCCACGGA CAGCCAGAGC TGGGCGGGGC ATCACCACAC TTGAATGACC CCCTGGGGCA	. 240
TATGCCTGAG CCGTTTTCGA TGCCTTCATC TGCTNATTGC CCCAGCGAAC ATCCAGTTTG	300
TGGTAGGAGA ATGATNCCGG GNAACTGGAA CAGACAAACT ATCGACTGAA ATTGTGTGTG	360
NTTTNGACCG GATGTTCCTG CCTGGNA	387
(2) INFORMATION FOR SEQ ID NO:191:	
(i) SEQUENCE CHARACTERISTICS:	
(A) LENGTH: 105 base pairs	
(B) TYPE: nucleic acid (C) STRANDEDNESS: double	
(D) TOPOLOGY: linear	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:191:	•
TCACCGATTG GGATTNNGAC ATTGGAAAAT TCCGACGTTT TCTTTGGTGG TGTGGTTCTG	60
GGAATCCACG CCAANGGGAA GCGCATAANG NACTGGTTTG ACTGC	105
(2) INFORMATION FOR SEQ ID NO:192:	
(i) SEQUENCE CHARACTERISTICS:	
(A) LENGTH: 336 base pairs	
(B) TYPE: nucleic acid (C) STRANDEDNESS: double	
(D) TOPOLOGY: linear	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:192:	
GGCACGAGGN AGAGCTCAGC ATCACCCTCA CGCTGCGGAT GCTGATGCAC GGGNAGGAAG	60
TGGGCAGCAT CATCGGGAAG AAGGGCGAGA NTGTAAAGCG AATCCGGGAG CAGAGCAGTG	120
CCCGGNTCAC CATCTCCAAG GGCTCCTGCC TGCAACGCAT CACCACCATC ACCGGGTCTA	180
CAGCAGCTGT TTTCCATGCA GTCTCCATGA TTGCTTTCAA ACTGGATGAG GACCTTTTTG	240
CCTGCTCCTG CAAATGGTGG AAATNTCTCC AGGCCTCCAG TGAACCCTGN GGCCTTGTTN	300
ATCCCTGGCC AGTTCNTTTN GGCTCACTGG TTTGGG	336
(2) INFORMATION FOR SEQ ID NO:193:	

(A) LENGTH: 404 base pairs

(B) TYPE: nucleic acid (C) STRANDEDNESS: double (D) TOPOLOGY: linear (xi) SEQUENCE DESCRIPTION: SEQ ID NO:193: GGCAGAGGTA AGCCATATGT NTTCGACAGA GTGCTACCTC CCAACACGAC CCAAGAGCAG 60 GTTTACAATG CATGTCCGAN AAATTGTCAA AGATGTCCTT GAAGGTTATA ACGGGACGAT 120 TTTTGCGTAT GGGCAGACTT CATCAGGAAA AACCCACACC ATGGAGGGGA AGCTGCATGA 180 CCCCCAGCTC ATGGGGATCA TCCCACGANT TGCCCATGAT ATCTTTGACC ATATCTACTC CATGGGATGA GAAACCTGGG AGTTTCACAT AAAGGTTTCC TATTTTGAGN ATCTTACTTG 300 GGACAAAATA AGGGACTTTA CTTGATTGTT TTCCAAGACC AACTTGGGCT GTTCCNTGAA 360 GGTTAAAAAC AGGTNCCCTN TGTAAAAGGG GTTNCATNGG GCGG (2) INFORMATION FOR SEQ ID NO:194: (i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 282 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: double (D) TOPOLOGY: linear (xi) SEQUENCE DESCRIPTION: SEQ ID NO:194: GGCANAGGGT GGAGAAGCTC NACTACAAGA TGGAGCTCTN CAAGGAGATC CGNGAGGNAC 60 ACCTGGCCGC ACTGGCGAGG GGCTGCGCGA GNAAGGAGCT GCACGNGGNC GAGGTGCGCA 120 NGAACAAGGA GCAGCGAGAA GAGATGTCGG GCTAAGGGCC CGNNACGNGG TCGCCCATGC 180 CTGACGAACG TNAACACGTT CGGGTTTTTG GTTTTGTTTC GTTCACCTCT GTTTAGATGC 240 282 AACTTTTGTT CCTCCTCCCN CANCCNGGNC CCCAGGTTCA TG (2) INFORMATION FOR SEQ ID NO:195: (i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 405 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: double (D) TOPOLOGY: linear (xi) SEQUENCE DESCRIPTION: SEQ ID NO:195: 60 GGCACGAGCT TTCTTGGGCG GGTCTGTAAG AGAGAGGCCA CGGTCCTGAG CTACGATGGC TCCATGTACA TGAAGATCAT GCTGCCTAAC GCCATGCACA CGGAGGCAGA GGATGTNTCC 120

CTGCNTTTNA TGTCCCAGCG GGCTTACGGA CTCATGAATG GCCANCACTT CCAGGGAGTC	180
TGCCGACACC CTACGCCTGG AGCTGGATGG GGGGCAGATG AAGCTTNACT GTCAACCTCG	240
ACTGCCTGCG CGTNGGCTGC GCACCNAGTN AAAGGNCCCG AAACGNTGTT TGCGGGGTAC	300
AAGTTCATTG ACATGAGTGG NCACAGGNTT GAGGGTGGTC CGGCCGTGGG CAAGAGNCTT	360
GCAATTGTTT TTGGGACAAC GTGGACTTTN GGAGGGGACA ATTNG	405
(2) INFORMATION FOR SEQ ID NO:196:	
 (i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 337 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: double (D) TOPOLOGY: linear 	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:196:	
GGCAGAGCAG ATAACAGCCA TGTTGTTGAC TAAGCTGAAG GAAACTCCTG AAAACAGCCT	60
CAAGAAACCA GTAACAGATT GTTTTATTTC AGTCCCCTCC TTCTTTACAG ATGCTGAGAG	120
GCGATCTGTG TTAGATGCTG CACAGATTGT TGGCCTAAAC TGTTTAAGAA CTTATGAAAT	180
GNCATGACAG CTGTTGCTTT GNAATTACGG AATTTATAAG CAGGATCTCC CAAGCCTGGA	240
TGAGAAANCN TCGGATAGTG GGTTTTTNGT TTGGTTAGGG GGCCATTCCA GCTTTTCCAA	300
GTGGTCNNGC TTTGTGCTTT TTTAACCAAG GGGGAAA	337
(2) INFORMATION FOR SEQ ID NO:197:	
 (i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 287 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: double (D) TOPOLOGY: linear 	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:197:	60
CTTCNAGGTG AGCCAGCTCT ATNACTGNAN ACTGGATCGT GGTCAACTGC TCCACACCGG	60
CCAACTACTT CCACGTNCTG CGCCGGCAAA TCCTGCTGCC CTTCCGCAAG CGCGCTGAAT	120
TATNTTCACA CCTGAAATCT CTGCTGAGGC ACCCAGAGGC CAAGTCCAGC TTTGAACCAA	180
ATGGTATCCG GGACCAGNTT CCAGGGGGTG AATTCCTGAA GATGGGGCCG AAGNACGGGC	240
CCTTGANCNA GGTGAAGGGG TTAATTTTTT GAAAGGGNAA GGTTTAT	287
(2) INFORMATION FOR SEQ ID NO:198:	

(A) LENGTH: 432 base pairs

(2) INFORMATION FOR SEQ ID NO:200:

(i) SEQUENCE CHARACTERISTICS:

(A) LENGTH: 389 base pairs(B) TYPE: nucleic acid

(B) TYPE: nucleic acid (C) STRANDEDNESS: double (D) TOPOLOGY: linear (xi) SEQUENCE DESCRIPTION: SEQ ID NO:198: GGCAGAGCTT CTNCAAAGCT GCCCTCTNCC ACTTCATAGT AGNCGAGTTG AATGCCAAGC 60 TTGCNCTTNA GAAATATGAG GAAATGTTTC CAGCATTNNN NGNTTCAAGA GNNTGTAAAT 120 NNTTGAAAAA ACTCCTAGAA GCTCATGGAA GAACAGNNCA GTGNAAGCTT ACACTGAAGC 180 AGTGTAAGGA ATTTGAACTC AATATCTCGC TTGGNTCAGT GGCTGNCCAC CATGTTGCTT 240 CGCATCAAAA AGTCCATCCA AGGGGNTGGA GAAGGAGATG GAGACCTAAA ATGNNTGTTT 300 TTGGNCTTTG TGGGCATGCA GCTAACTCCT CTTTAGTTTT GTTCTTAGGG TCCAAGTGAT 360 CTTTTATGGG GATGCCNCTT TTAATGGGTT TAATTTTGTT TGGNATATGA GGCCCAACGG 420 432 GCCNGTGNNA AT (2) INFORMATION FOR SEQ ID NO:199: (i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 501 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: double (D) TOPOLOGY: linear (xi) SEQUENCE DESCRIPTION: SEQ ID NO:199: GGCACGAGTA CGAGTCCCTT CAAACCGCCA AAAAGAAGGA TGAAGNCAAA ATTGCCAAGC 60 CTGTTTCGCT GCTTGAGAAA AGNCGCCCCC CAGTGGTGCC AAGGCAAACT GCAGGCTCAT 120 CTCGTAGNTC AAACTAACCT GCTCCGAAAT CAGGCCGAGG AGGAGNTCAN CAAAGCCCAG 180 AAGGTGTTTG AGGAGATGAA TGTGGATCTG CAGGAGGAGC TGCCGTCCCT GTGGAACAAC 240 CGCGTAGGTT TCTATGTCAA CACGTTCCAG TGGCATCGGG NGCCTGGTGG AAAAACTTNC 300 ACAAGGAGAT GAGCAAGNTC AACCAGTNCC TCAATGANTG TGCTGGTTCG GNCTGGNNGA 360 AGCAACAGGG GNGCAAACAN CTTTCACGGT NAAGGCCCCG NCCCNTTGAC AACGGGNCTT 420 GAAAAGGGGT ACAAGGGGCC TTTTAACTTC CAGTTGGTTC CCTTGCNGGN ANCCCCGGGG 480 501 TTCCGGGTTA ACCAGGGGCC A

(C) STRANDEDNESS: double

(D) TOPOLOGY: linear (xi) SEQUENCE DESCRIPTION: SEQ ID NO:200: 60 GGGCACGAGT GCAGATGAAG ATGTTGATCG GAAACACTGG GGCAAGTTTC TGGCTTTTTA TCAGTATGCA AAATCATTTA ACTCAGATGA CTTTGNTTAT NAAGANCTGA AGAATGGAGA 120 180 CTACGTCTNG ATGAGGTGGA AGGAACAGTT TCTGGTCCCA GATCACACGA TCAAAGACAT CAGTGGTGCT TCTTTTGCCG GGTTCTACTA CATCTGCTTT CAGAAGTCAG CAGCCTCCAT 240 AGAGGGCTAC TACTACCATA GGAGTTCAGA ATGGTATCAG TCCCTCAATC TAACCCATGT 300 TCCTGAACAC AGTGCACCCA TCTTATGAAT TCCGGTGACA ACGGGTTNAG NNCAGCAACC 360 389 AAATTAAAAC TNGAACTTNG GCAAAAAAG (2) INFORMATION FOR SEQ ID NO:201: (i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 240 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: double (D) TOPOLOGY: linear (xi) SEQUENCE DESCRIPTION: SEQ ID NO:201: GGCACGAGGA CACTGCCGTG GAGAACATGC CCAGCCTGAA GATGAAGGTG GTGGAGGTGC 60 TGGCTGGCCA CGGTCACCTG TATTCCCGCA TCCNAGGCCT NCTCAGCCCC CATCCCNTGC 120 TGCAGCTGAG CTACACGGNC ACCGACCGC ACCCCAGGC CCTGGAGGCT GNCCAGGCCG 180 AGCTGCAGCA GCACGANGTT GNCCAGGGCC AGTGGGATCC CGNAGACCCT GCCCNCAGCG 240 240 (2) INFORMATION FOR SEQ ID NO:202: (i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 360 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: double (D) TOPOLOGY: linear (xi) SEQUENCE DESCRIPTION: SEQ ID NO:202: GGNACGAGCC CGACGGAAGN ATCCAGGGCA CCCCANAGGN TACCAGCTCC TTAACCCACT 60 TNAACCTGAT CCCTGTGGGC CTCCGTNTGG TCACCATCCA NAGCGNCAAG CTGGGTNACT 120 ACATGGCCAT GANTGCTGAG GGACTGCTCT ACAGTTNGCC GCATTTNACA GCTGANTGTC 180

GCTTTAAGGA GTGTGTCTTT ANGAATTACT ACGTCCTGTA CGCCTCTCCT CTCTACCGCC	240
AGCNTCGTTG TGGCCGGGCC TGGTACCTCG GCCTGGACAA GGAGGGCCAG GTCATGNAAG	300
GGAAACCGAG TTAAGAAGNC CAAGGNAGCT GCCCACTTTT TNCCCAAATT TCTGGNAGGT	360
	360
(2) INFORMATION FOR SEQ ID NO:203:	
 (i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 330 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: double (D) TOPOLOGY: linear 	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:203:	60
AGGAGGCCGG CCTCACCTTA ATGAGGACGT TNTCGTAGCT GGTGGGATTN ATGACGTCAT	
AGCAGATGAC CACGAGGTGG GTGTNCTGGT AGGACAGGGG CCGCAGCCGG TTNATAGTNT	120
TNTTGCCCTG AANGCACAGA GCAGCGGGGG TNAGGGGACG TCCCCTTCCC TGTTTGGACT	180
CTGAACGGGT GAAGGGGAAG GGGCCAGGCA AGTAAACCCT GNCTTTAGGG CCTTCAATTT	240
CCCTCATCTT ATGACAATGG GGCAGCAAAG CCAGGTAGTG CTGGCACGGG CTNTNTGGGT	300
CGCAAATTGT TTGGGAAGGC TTNAGGNCNG	330
(2) INFORMATION FOR SEQ ID NO:204:	
 (i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 245 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: double (D) TOPOLOGY: linear 	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:204:	60
GGCACGAGCA GCCTGTACCC TAAAATGAGT GCCCATAAGC GCTCCTTGGA TTTCCTCATT	60
NAACTGCTGC ACAAGGATCA GCTGGATGAA ACTGTNAATG TGGAGCCTCT AACCAAGGCC	120
ATCAAGTACT ATNAGCATCT GTGACAGCAT CCACCTTGGC CGAACAGCCT GAGGACTGTA	180
ACTATGNCAG CTGGCTGACC ACATTAAAGT TCCACGGCAG AAGTTGGCCT TTTTTGGTNT	240
TNGNN	245
(2) INFORMATION FOR SEQ ID NO:205:	
(i) SEQUENCE CHARACTERISTICS:(A) LENGTH: 230 base pairs(B) TYPE: nucleic acid	

(C) STRANDEDNESS: double
(D) TOPOLOGY: linear

(2) INFORMATION FOR SEQ ID NO: 208:

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:205: ACCAGGCTTT GGCTCAAAAG AATGGATGGN GTTTCACTCT TGTTGCCCAG GCTGAAGAGC 60 AATGGCGCGA TCTTGGCTCA CCNCAACCTC CACCTCCCAN GCCGGGGTGC TCNTNNCACT 120 GCCGGGNAAG GTGATAGCCG CTCCCNAACG CTAATTAATG CGNCTACCTC ATGATGCGGG 180 230 AGAAGNTGGG NCGTCAATCT GCCCTGAGCA TCGTGAGGTC AGAACCNTGA (2) INFORMATION FOR SEQ ID NO:206: (i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 235 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: double (D) TOPOLOGY: linear (xi) SEQUENCE DESCRIPTION: SEQ ID NO:206: GGCACGANCG GCCCCGCAGC CAACCCCCGA GGAGCGGCCG GNTGGCGTCC GNGCGCCCAG 60 GAAGTTGGGG ATGTCCTACA AACCCATCGC CCCTGCTCCC AGCANCACCC CTGGNTCCAG 120 CACCCTGGG NCCGGGCACC CCGGTCCCTN ACAGGTAAGC NTCCCGTCGC CGTCGGGCTT 180 CAGTGCCAGG NAGCCGGCGC CTCCTTTGAA AACCGCTGTT TTNAACGNAC TTTTG 235 (2) INFORMATION FOR SEQ ID NO:207: (i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 314 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: double (D) TOPOLOGY: linear (xi) SEQUENCE DESCRIPTION: SEQ ID NO:207: ATCAGGGGAA ATCAAACGGA CTGTCACAAG GATCCTGCCA GATCCTGATG ATCCAAGTAA 60 GTCCCCTGTT GGGTCACCTC TAGGGNGCGC CATTGCAGAG GNCCCCAGCG AGATGCCAGG 120 GGATGAGGTG CCTGTGGAAG AGCACTTTCC TGAGGCAGGC ACAAATTCAG GGAGCCCCCA 180 GGGGGCCAGG TAAAGGGGAC GAGAGCATGA CAAAGGCCAG TAACTCGTCA TCTCCCAGCT 240 GCANTTCTGG GGCCCGGGTC CCAAAGGGGG CTTGNCCCAG GTTTNACAGA CAGGCANGAA 300 314 GCAACAGNGC ACAG

(i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 348 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: double (D) TOPOLOGY: linear (xi) SEQUENCE DESCRIPTION: SEQ ID NO:208: GGCANAGGTC CCCGCAGAGG AACNTNCTGC CCAACCGGTT GCTGACCAAG GTGGCCGAGA TGGCGCANAG CNATCCTGGT CTGCAGAAGC AAGACCTGTG CCAGGAGCAC CACGAGCCCC 120 TCAAGCTTTT NTGCCAGAAG GACCAGAGCC CCATCTGTGT GGTGTGCAGG GAGTCCNGGG 180 TGCACCGGCT GCACAGGGTG TGCCCGCCGA GGAGGCAGTG CAGGGGTACA AGTTGAAGCT 240 GGAGGAGGAC ATGGAGTACC TTCGGGGAGC AGATTCACCA GGACAGGNAA TTTGCAGGCC 300 348 AGGGAGGAGC AGAGNTTAGC CGAGTGGCAN GGTCAAGGTN GAAGNAGC (2) INFORMATION FOR SEQ ID NO:209: (i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 137 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: double (D) TOPOLOGY: linear (xi) SEQUENCE DESCRIPTION: SEQ ID NO:209: ATCCAGACCG ACTTCCGCTG CTGTGGCGTC TCCAACTACA CTNACTGGTT CGAGGTGTAC 60 AACGCCACGC GGGTACCTNA CTCCTGCTGC TTGGAGTTCA GTNAGAGCTG TGGGCTGCAC 120 137 GCCCNCGGCA CCTGNTG (2) INFORMATION FOR SEQ ID NO:210: (i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 363 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: double (D) TOPOLOGY: linear (xi) SEQUENCE DESCRIPTION: SEQ ID NO:210: GGCACGAGCC GCCTCCTCCC GCCGAGTCAG CAGCAGCAGT GAGCTGGACC TGCCCTCGGG 60 NGACCACTGC NAGGTTGGGN TCCTGCAGCT CGACGTGCCC CTNCTCCGCA CCCAGCTCCG 120 CGGCTCCCGC CTGCTCGATG CCATGCGCAT GTACCGCCAA GGTTACCCTG ACCACATGGT 180

GTTTTCCGAG TTCCGCCGCC GCTTTGATGT CCTGGCCCCG CACCTGACCA AGAAACACGG

240

GCGTAACTAT ATCGTGGTGG ATGAAAGGCG GGCAGTGGAG GAGCTGCTGG AGTGCTTNGG	300
ATNTGGAGAA GAGCAGCTTG NTGCATGGGC CTGAGCCGGG TNTTCTTCCG GGTGGGNACC	360
TTT	363
(2) INFORMATION FOR SEQ ID NO:211:	
 (i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 359 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: double (D) TOPOLOGY: linear 	
270 TD VO 211	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:211:	60
GGCACGAGGG CTCCAGGGNA GCCCTCTTCC CGGTGGCTTT AATATGAGTN TCGAGGGAGG	120
TCAGGGTAGG GGCAGCTACC ACGCCTGAAG CCCTAGAGGT CACCAGGCGG CGCGGGTAGA	
TTCGGGGGAA GCGCGCAGGG CTGCGCTAGG GACCCGCCGG GTCACCCTGG TACATGGNTG	180
GCTTTTNTTT ACAGTTTGTT CTAAACATCA GAAATGTTTG TCCGCTTTTA AAAACAAAAT	240
TGGCAGTAAC AGTTTATTAT TGGGTAGCTT GATGGAACCT GTGGATTACT TAATTAAAAA	300
ATTAATAATC TGNCTTTTTA ATTGGGGNTT TACCANTTTA GTGTTNTTGG GNTTTAAAA	359
(2) INFORMATION FOR SEQ ID NO:212:	•
 (i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 331 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: double (D) TOPOLOGY: linear 	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:212:	
GGCANAGCTG CCGCCGTCGC CGCCACCCGA GCCGGAGCGN GCTGGGCCGC CAAGGCAAGA	60
TGGTGGACTA CAGCGTGTGG GACCACATTG AGGTGTCTNA TGATGAAGAC GAGACGCACC	120
CCAACATCGA CACGGCCAGT NTCTTCCGCT GGCGGCATCA GGCCCGGNTG GAACGCATGG	180
AGCAGTTCCA GAAGGNGAAG GAGGAACTGG ACAGGGGCTG CCGCGAAGTT CAAGCGCAAG	240
GTGGCCGAGT GCCAGAGGAN ACTGAAGGAG CTGGAGGTGG CCGAGGGCGG CAAGGCAGAG	300
CTTGGAGCGC TCTNCCANGC CGNAGGTANA G	331
(2) INFORMATION FOR SEQ ID NO:213:	
(i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 277 base pairs (B) TYPE: nucleic acid	

(C) STRANDEDNESS: double (D) TOPOLOGY: linear	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:213:	
CCAGAGGTTT GCTGGCCACT GTCACTGTGT GTNTGAGGCT GATCGCCAAG CGCATGGTCC	60
GGANGAACTN CCTNGTGATG AACCTGGTGN CTGTAGAAAC CCTGGGGTCN ACGTCCACCA	120
TCTTCTCAGA TAAGACAGGG NANTNTNACT NAGATCCGCA TGATAGTCGC TNTCATGTGG	180
TTTGACAACC AGTTCCACGA GGCTGACACC ACTGAGGTNC CAGTCAGGGG ACCTCATTTG	240
ACAAGAGTTC TNTACACCTN GGTGGTTCCT NTNTTCA	277
(2) INFORMATION FOR SEQ ID NO:214:	
 (i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 102 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: double (D) TOPOLOGY: linear 	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:214:	
CTTGAAGGGG GCCAAACCCA AGCTGATGTC GGCCATCTCC AAGACCTTCT NGCCGGCCCA	60
CAANAGCTAC ATCATCGNTG GTNGTNTGGG TGGCTTCGGC CT	102
(2) INFORMATION FOR SEQ ID NO:215:	
 (i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 154 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: double (D) TOPOLOGY: linear 	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:215:	
CTTTGCGTCC TCAATTGCCN CGGGGCTCNC GCTGGGGCAC AAACNACTCG ACGCAGCGCA	60
GACGCCCAAG GTGAAGGTTG CCCACGGGGA TTGCCCGGTC CATGNCCAAT GCCATGGGNG	120
TGCAACTGCT ATGTTCCATC CGNNCAANCC GCGT	154
(2) INFORMATION FOR SEQ ID NO:216:	
(i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 341 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: double (D) TOPOLOGY: linear	

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:216:	
GGCACGACCG GGCTCGAGAG CCNCCNCGCA TGCCAGTNCC CATNCGGGGC CGCCGCCAGT	60
NAACGNCGGA GAGGTGTTCC CCCCACACTG GGGCTCCCAC TACTGCGAAG GAGTGACCCA	120
CGAAGGCCAC AGAGATGGCC GGGGCTTCGG TGAAGGTGGC GGTGCGGGTC CGCCCNTTCA	180
ATTCCCGGGN AAATAAGCCG TGNACTCCAA GTGNCATCAT TGCAGATGTT TGGTAAGCAC	240
CACCACCATT GTTAAACCCC AAACAGCCCA AGGGAGACGC CCAAAAGGTT TCAGCTTTGG	300
NACTNATTGC TAACTGGGTT TGGGACAATC TNGNACCTNG A	341
(2) INFORMATION FOR SEQ ID NO:217:	
 (i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 121 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: double (D) TOPOLOGY: linear (xi) SEQUENCE DESCRIPTION: SEQ ID NO:217: 	
CTNACTGGTG CTTNCTGCCG TCGACTGGTA TGCAGTCAGC ACTGTGAGCC ACTTACCTNC	60
AGGTGTNANC TCGGGGCCAG CCCCTTGCAT GTGGACCTGG CCACCCTNNG AGAAGCTTAA	120
	121
G (2) INFORMATION FOR SEQ ID NO:218:	
 (i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 348 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: double (D) TOPOLOGY: linear 	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:218:	60
GGCACGNGGT AAATGCTATG AAAATAGTTA CTACACTATT GTTTATNTGT ATTTTATTG	120
AATTGTTTTG GGGTGGGGG CAGCTGTATC TTTCTTAGTA ATAGAACCCC TGGTTTTAGC	180
TGGGCACATG AACTGCCNTC AATAAAGATT AAAGTACCCC AGCCTTCCTT GAGATTGTGG	240
CCATGTGACT GAACTTTAGA CAGTGAAGAT ATAAGCAGAT ATCTNCTGTG GCAGTGTTAG	300
GAAACTATTA AAGACAGTAA GGAACATTGC CCTTTGCCTT CTTTGTTCCT TNCTTCATTT	348
TTCTGCCTGG GAATGCAANG TGNATGGNTA ACACCCTAGC AGNCTTTT	240
(2) INFORMATION FOR SEQ ID NO:219:	
(i) SEQUENCE CHARACTERISTICS:	

(A) LENGTH: 215 base pairs(B) TYPE: nucleic acid(C) STRANDEDNESS: double(D) TOPOLOGY: linear	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:219:	
CCTGGACCCA CAGTCGGCCA GTGGGTACCT GCAGCTGTCA GAGGTCTGNA AGNGCGTAAC	60
CTACACCAGC CTGTACAAGA GTGCCTACCT TCACCCCCAG CAGTTTGGAC TNGTAAGCCT	120
GGGGTNTTGG GCAGCAAGGG GTTCACCTGG GGCAAGGTCT ACTAGGTAAG TGGAAGTNGA	180
GNGTGNAGTT NCTGGTTCTT AAGGGATGAA GTAAG	215
(2) INFORMATION FOR SEQ ID NO:220:	
 (i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 235 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: double (D) TOPOLOGY: linear 	
	·
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:220:	
AAAAAAAACC CAACTTGACC TAGTTGTCAT TTATAGANCA CTCCATCCAA CAACAGNAAA	60
ACACATAATT TTTTTCAAAT GTACACGGAA CATTTGNAAG ATAGNCCACA TTCTGGTCTA	120
TAAAACAAGG CTCAGTAAGT TTAGAAGGNT TCAAGTTATA CAAAATATAT TCTCTGACCA	180
CAATTGANTT AAATAAAAA TACCNGAAAG NTATCTAGNG ATTCCCCAAA TATTT	235
(2) INFORMATION FOR SEQ ID NO:221:	٠
 (i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 431 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: double (D) TOPOLOGY: linear 	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:221:	
GGCACGAGNA GTTGGAGGAG AAGAATCAAG AACTGCAGCG GGCAAGGCAA	60
TGAACGAGNA ACATAATAAA CGTTTATCAG ACACTGTTGA CAAGCTGCTT TCAGAATCTA	120
ATGAGAGGCT TCAACTTCAT CTTAAAGAGA GAATGGCTGC TTTGGAAGAT AAGAACTCTC	180
TTTTAAGAGA AGTTGAAAGT GCAAAAAAGC AGTTAGAAGA AACACAACAC	240
AGCTTGTCCT AAACATTGAA GCACTGAGGG CTGAACTAGA CCACATGAGA CTTAAGAGGT	300
GCTTNCACTT TCATCCATGG GCCGACCCCA CTTGGGGCAG TGTTCCCAGA TTTTCAGGTT	360

TCCCCATGGC AGACGGGNCA CACAGACTTC NTACCAGCAN CCAGTGCAGT NGTTGCGGGN	420
GCCCACAGAA A	431
(2) INFORMATION FOR SEQ ID NO:222:	
 (i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 251 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: double (D) TOPOLOGY: linear 	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:222:	
GGCACGAGCC GTGATGCCAA GCTGCCAGCC TCGCGCTCCA TCCGCAACCT CTTTGGCAGT	60
GGGAGCCTTC GGGCCTCAAA GAGTAACCGT GTGACTGGTG TNTACGAGCT CAGCCTGTGC	120
CACGTGGCTG ACGCGGCAG CCCAGGGATG CAGCGCCGGC GCCGACGAGT CCTGNACACA	180
TNTGTGGCCT GATGTCCGGG GCGAGGAGAA CCTGGGCAGG CTNNTAGGCC CCGGAGTNGA	240
CAGTTTTCAT T	251
(2) INFORMATION FOR SEQ ID NO:223:	
 (i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 261 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: double (D) TOPOLOGY: linear 	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:223:	
TGGGTNCCCC GGGNTGCANG AATTNGGCAG AGGTACAAGC TCGNTGCCTA TAAAGCTGAT	60
GATCCAACAA TGGGGGAGGG CCCAGACAAG GCACGTTCCC AGCTCCTGGA TCCTGGATCG	120
AGGCTTTGAC CCCAGCTCCC CTGTGCTCCA TGNAATTGAC TTTTCAGGCT ATGAAGTTAT	180
GAATCTGGCT GCCTATCGAA AATGNTGTAT ACAAGTATGA GACCANNGGC ATCGGGGGAG	240
GNACGTGTNA AGGGGGTTCT C	261
(2) INFORMATION FOR SEQ ID NO:224:	
 (i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 392 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: double (D) TOPOLOGY: linear 	

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:224:

	GGCAGAGGNA CAAGCTCGAT GCCTATAAAG CTGATGATCC AACAATGGGG GAGGGCCCAG	60
	ACAAGGCACG CTCCCAGCTC CTGATCCTGG ATCGAGGCTT TNACCCCAGC TCCCCTGTGC	120
	TCCATGNAAT TGACTTTTCA GGCTATGAGT TATGATCTGC TGCCTATCGA AAATAATGTA	180
	TACAAGTATG AGAACCAGCG GCATCGGGGA GGCACGGGTG AAGGAGGTGC TCCTGGAACG	240
	AGGACGACGA CCTGTGGGAT AGCACTGCGC CACAAGCACA TCGCNGAGGT GTTCCCAGGA	300
	AGTTCAACCG GTTTTTGNAA AGATTTTTTC TTTTAGCAAG NGGATTGAAT TACTGGAGGG	360
	AAGGCCCACC NTGCGGGACC TNTNCCCAAT TG	392
	(2) INFORMATION FOR SEQ ID NO:225:	
	(i) SEQUENCE CHARACTERISTICS:	
	(A) LENGTH: 380 base pairs	
	(B) TYPE: nucleic acid (C) STRANDEDNESS: double	
	(D) TOPOLOGY: linear	
		•
	(xi) SEQUENCE DESCRIPTION: SEQ ID NO:225:	
	GGCAGAGCCC GACGGAAGCA TCCAGGGCAC CCCAGAGGAT ACCAGCTCCT TNACCCACTT	60
	NAACCTGATC CCTGTGGNCC TCCNTTTGGT CACCATCCAG AGCGCCAAGC TGGGTCACTA	120
	CATGGCCATG AAATGCTGAG GGACTGCTCT ACAGTTCGCC GCATTTNACA GCTGANTGTC	180
	GCTTTAAGGA GTGTGTCTTT GAAGAATTAC TACGTCCTGT ACGCCTCTGC TCTCTACCGC	240
	CAGGTTCGTT NTGGCCGGGN CTGGTACCTC GGCCTGGACA AGGAGGGCCA GGTCATGAAG	300
	GGAAACCGAG TTAAAGAAGA CCAAGGCAGN TGNCCAATTT TTGNCCAAGA TNCTGGGAGG	- 360
	TTGGNCCATG TAACCAGGGG	380
•	(2) INFORMATION FOR SEQ ID NO:226:	
	 (i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 488 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: double (D) TOPOLOGY: linear 	
	(xi) SEQUENCE DESCRIPTION: SEQ ID NO:226:	
	GTACTGCTTC CAGTTCCTGC CCTTTGGCAA AGGCCTCATC AAGAAGTGCC GGACCAGCCC	60
	TAATGCCTTT NTGCAGATCG CGCTGCAGCT GGCTCACTTC CGGGAACAGG GGTAAGTTCT	120

GCCTGACCTA TGAAGGCCTC AATGAACCAG NAATGTTCCG GGAAGGGAAC GGACTGAGAA

CTGTGNCGTT CCTGTNACCA GCGAAGTTCC ACAGCCTTTN TGGCAGGCCA TGNATGGGAG

180

240

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GGGTCCCACA CAAAAGCCAG ACCTGCAAGA ATCTTTTTCC AGAAAGGCTT GCTNAGNAAG	300
CACCCAGGAA TATGTNACCN GCCTGGGNCC ATGAAACCGG GGGGCAGGGG ATTCGNAAAN	360
GGCANCTTTT TNTTGGCCTT TTAATTTGGG TTNTTCCAAG TTAACTTAGG GGGTTCANTT	420
TTTCCTTTTT CCTTGNTTGA GGGTGGTTTT NGGGGGAANCC TTGGGGGNTT TTTTCCAACC	480
AGGCCAGT	488
(2) INFORMATION FOR SEQ ID NO:227:	
 (i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 492 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: double (D) TOPOLOGY: linear 	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:227:	
GGCAGAGGNC AGGACGAGCT CAGCTTTAAG GCCGGAGACG AACTCACCAA GCTGGGNGAG	60
GAGGATGAGC AGGGCTGGTG CCGTGGGCCGG CTGGGACAGC GGGCAGCTGG CCCTCTNACC	120
CTGCCNAACT AACGTGGAAG GCTATCTAGA AGGCCNCCTN CCCTGCCATA CTGCCCGTTA	180
ACTCCTCCCC ACTGCCGCCC CTTCCCCTNC CCACTNCTGC GTNCTCCTTC CCCTCGCCAT	240
AGAAGTTTCC AGACATATTT TCCCGAATTC AAGCTTTTTT ATTTTTTAA AAAGTTCAAA	300
ACCAGGAACA AAAACAAAAG TNATGCCANG AGGACAGAGN CATTTNGCAG GGGCCCANCT	360
GGNAGGGTTT GGGGTGCTTG GGGGTTTTGG GGAGTGGGGC CCCCAGGGTT AGGTTAACCA	420
GTTNTTNAGG TANTTTAGGC CCCAAGCATT CAACAAACAT CTGGGTTCCT TTTCGGGGGT	480
TTCCACCCAA AN	492
(2) INFORMATION FOR SEQ ID NO:228:	
 (i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 97 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: double (D) TOPOLOGY: linear 	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:228:	
TTCCATAATG GCTGTNCTGA TTTACATTCT CATCAACAAT GNACAAGTGC CCTTTNCTCT	60
GCATTCTCCC TAGCATTTTT TTTTTTTTTTTTTTTTTT	9
(2) INFORMATION FOR SEQ ID NO:229:	

(A) LENGTH: 273 base pairs(B) TYPE: nucleic acid(C) STRANDEDNESS: double(D) TOPOLOGY: linear	•
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:229:	
GGCACGAGGG ACCCGCCCGC NATGGGGGAC GAGGACGACG ATGAGAGCTN CGCCGTGGAG	60
CTGCGGATCA CAGAAGCCAA CCTGNACCGG GCACGAGGAG AAGGTGAGCN TGGAGAACTT	120
CGAGCTGCTC AAGGTGCTGG GCAGGGAAGN CTACGGCAAG GTNTTCCTGG TGCGGAAAGG	180
CGGGTCGGGC ACNACGCGGG GTAAGCTNTA CGCCATGAAG GTGCTGCGCA AGGTGGNCGC	240
TGGTTGNCAG GGCCCAAAGT ACGCAAGNGT CAC	273
(2) INFORMATION FOR SEQ ID NO:230:	
 (i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 398 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: double (D) TOPOLOGY: linear 	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:230:	
GGCAGAGGCG CCCCCCAGCC CTTCCTGACG CTCAGCCTCG GGGCCTCTCT CCAACTCTCC	60
CGGCCCACCG TGGCATCGGG AGGCCATGCT CAGGTCTGAA GCAGGTTTGG GGCCTGCTGA	120
CAGCAATAGC CCGCCTTTGG GAAACCCCTT GCTGTGAAAC TCTCTGCACT GCAGTGAACC	180
TTCAGTCACG AACCTGCCTC TGCCCCTTCG GGGGACGCCC ACACAAAAGG GNAAGTGCTT	240
GGCCGTGCTG GTTCCTGCCC TGCTGGTGGG CCTGNCCGGG GNTTGGGCGG CCGGTGAAGC	300
GGGATTCGAA TGGGGATGAG GGTGNACAGG GGCCTGGTTC CTGTTCCTGA GNGCCNCAGT	360
NTTGTTCCCT CCTGNCCAGT TCCTGTTCCA AATGCATG	398
(2) INFORMATION FOR SEQ ID NO:231:	
 (i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 301 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: double (D) TOPOLOGY: linear 	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:231:	60
GGGCACGAGA AAACTTTTAC AATNAGCATG AAGAGATAAC CAACCTCACT CCACAGCAGT	60

TAATAGATCT CCGGCATAAG CNCAATCTTC GGGTCTCTGG TGCTGCACCT CCTAGACCAG

120

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GAAGTAGCTT TNCTCATTTT GGGTTTGACG AACAACTTNT GCACCAGATT CGGANATCTG	180
	240
ACATGATTGG TATTNCCAAA NCAGGTAGTG GGNAAACTNC AGCCTTCATT TGGCCCATGT	300
	301
T	
(2) INFORMATION FOR SEQ ID NO:232:	
 (i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 209 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: double (D) TOPOLOGY: linear 	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:232:	
ATNGTTTGGA AAGCGCATAT TGCTTCCNTC TTCCCCGAAT TCTGGCAACT NTTCCTCCTG	60
CNATNATGGG CCCTTGGGCA TCATGAACTT NATTACTCCT CACTGGCTGG AATTCAAACT	120
GCCCATCTGT AGTGGTCCCG TGCGTTGACC ATGCACCTNA GAATCCACGN GANACGGAGC	180
CCTCCTTGNC GGACGGCTG GACGNTTTG	209
(2) INFORMATION FOR SEQ ID NO:233:	
(i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 106 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: double (D) TOPOLOGY: linear	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:233:	
GGCACGAGGA GGAGCAGACA GCGGTGGNCA TCNCCAGCGT CCAGCAGGCG GCGTTCGGCG	60
ACCACAACAT CCAGTACCAG TTCCGCACAG NGACAAATNG AGNACA	106
(2) INFORMATION FOR SEQ ID NO:234:	
 (i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 358 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: double (D) TOPOLOGY: linear 	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:234:	
TTATGAGCAG GGAGATGAAG AAGCAAATCT TGGTCTGCCC ATCANTCCAT TCATGGATCG	60
TAXONOCTOC CAACTAGCAA AACTCCAAGA NTCTTTTATC ACCCACATAG TGGGTCCCCT	120

TOTAL CHARGE ACCACCTCAG TEGTTAGAAG CAGAAGAGGA	180
GTNTAACTCC TATGATGCTG CTGGTTTGCT ACCAGGTCAG TGGTTAGAAG CAGAAGAGGA	240
TAATGATACT GAAAGTGGTG ATGATGAAGA CGGGTGAAGA ATTAGATACA GAAGATGAAG	300
AAATGGGNAA ACAATCTTAA ATCCAAAACC ACCAAGGAAG GGAAAAGCCA GNCGGGCGNA	
TATTTTTNGT CCAGCTTAAT GGCACCACCC TTCACTTNGN AAAACCCCCA AGGTTTTT	358
(2) INFORMATION FOR SEQ ID NO:235:	
 (i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 471 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: double (D) TOPOLOGY: linear 	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:235:	
GGCACGAGGA CAACCGGGAG CAGCAGCATT TCCTGCAAGA TTGTNACGAG CTGAAGCTCT	60
GGATCGACGA GAAGATGCTG ACAGCCCAGG ACGTGTCCTA TGACGAGGCC CGCAACCTGC	120
ATACTAAGTG GCAGAAGCAC CAGGCATTCA TGGCCGAGCT GGCTGCCAAC AAAGACTGGC	180
TGGACAAGGT GGACAAGGAA GGGCGAGAGC TCACCCTTGA NAAGCCAGAG CTGAAAGCCC	240
TGGTGTCGGA GAAGCTGAGA GACCTGCACA GGCGCTGGGA CGAGCTGGAG ACCACCACCC	300
AAGCCAAGGC CCGCAGCCTN TTTTATTGCC AACCGAGCTG AGCTNGTTTG NCCCAGAGCT	360
GTTGTNCCCT GGAGAGCTTG GCTGGAGAGC CTGCAGGCCN CAAGTTGCAC TCCNGTTGAC	420
TACGGGNAAA GGACCTTACC CAGCGTTNAA CATCCTTNTT CAAGAAGCAG C	471
(2) INFORMATION FOR SEQ ID NO:236:	
(i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 500 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: double (D) TOPOLOGY: linear	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:236:	
GGCAGANGAT CTACTGTGTN AGGNGAGAGG GCAATTAAAA AGCTGAAGAG AAAGGAGGCC	60
CTCTNTGTAT TCCGTTCCCT CCTCCTTAAT GCCTCCAAGG GTCCTTGCAT CCCTAGTCTC	120
CTCTNTGTAT TCCGTTCCCT CCTCCTTAAT GCCTGGAGCA ATTCCAAGGC CCCAGTTACC	180
	240
CATCACCTCC ACACCAGGTG CAAGTTTTGT TTCAGCCCCA AAGGCACTGA GCATTTCTAG	300

TTTGCCCCCT CTGCCCTGNA ACCCCACAGC ATGCCTGTTT GCAGCTCCCT GTGCCCTCGG

CACTTCCCCA GGCTCATTTG AAGCAGGTGT GCCTTCGGCA GTTCCCCTAA ATTCCCAGGT

300

360

GCCTCATNCC TNATGNGNTA ATGGCNGTGA GGGGAAAANT TTTCAAGAAG GTGGAAGAGG	420
CAGCNGGATT NGTTAGGGGT ANCTGTNGTT CANCTTGAGA TGCACAGTGA AGGTTAGGGT	480
AGNTGGGACA GGCCTACCTG	500
(2) INFORMATION FOR SEQ ID NO:237:	
 (i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 295 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: double (D) TOPOLOGY: linear 	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:237:	
TGTATTCACC TATTNATTCT GTGGNTATAC ATAGTGTTNG GGTAGTGGAA ACACTGGGAA	60
GCTTGGGCAG TAGTTNCTCA AGGATTGAAG CTTGTTTCTT TAGATCTGNA GGTAGATATG	120
ACTAGGGGGA AAAACANTGG TNGAGATAAA GGCTACCATT GAAAACCCTG TAGCTCCTAT	180
CTGTGCAATT ACAATCTGGA TGCTTCAGGN AGCCCTTTTT CTGGGTGCAC ANATGTAANA	240
TANCCTACAA GTCTTGGAGC AANCCTGTTC TCCTTTACGT TCACAGCTGT GTTCC	295
(2) INFORMATION FOR SEQ ID NO:238:	
 (i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 437 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: double (D) TOPOLOGY: linear 	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:238:	
GGCACGAGCN AGTATATGCG GCAGGCGGGA TGGGCCTGGA CCTACGTCNA CACAACCACC	60
TCCAACACTA TGACATGCTG AAGGACATGT GGGTNTCCCT AGCACCCATG CCCACCNCGA	120
GATATGCTGC CACCTCCTTC CTCCGAGGNT CCAAGATCTA CGTGCTGGGG GGACGNCAGT	180
CCAAGTACGC GGTCAACGCT TTCNAGGTCT TTNACATCGA GACTNGNTCC TGGACCAAGT	240
TTCCCAACAT TCCCTATNAA GCGGGCCTTN TCCAGCTTTG TNACCCTGGA CAANCACTTG	300
TACAGNCTNA GGAGGCCTGC GGGCAAGGTC GCNTNTTACC GGAAGTCCCA AGTTCCTGAG	360
GGACGATGGG ACGTTTTTCC GNAATGGNAA ACAGGGGGGG GTTNGCTGAA GATGGAAAGG	420
TTCGTTNTTT TCCTTNA	437
(2) INFORMATION FOR SEQ ID NO:239:	

(A) LENGTH: 391 base pairs(B) TYPE: nucleic acid(C) STRANDEDNESS: double

(D) TOPOLOGY: linear (xi) SEQUENCE DESCRIPTION: SEQ ID NO:239: GGCACGAGCC TCAGCCTCGC TCATGCGCAN TNTCTNAGGT GCTTTGGACC ATGGTGATCC 60 ACATCGGCCT GAGCGTNAAG AGCTTGGCGG GAGGTTTGGT GCTGTTCTTC TTCTTCACTG 120 CCTTTGCCAC CCTNACCGTG GCCATCCTCC TGATCATGGA GGGCCTCTNG GCCTTTNTCC 180 ACGCACTGCG CTTACACTGG GTTGAGTTCC AGAATAAATT CTACAGCGGG ACCGGTTTCA 240 AGTTCTTACC CTTCTCCTTC GAGCATATTC GGGAAAGGGN AAGTTTGAAA GAAGTGAAGN 300 CCCTTTAAAG GGCCCGTGTG CCCCCAATGT TAACCTTCCC GGCNTTCCTT TCCAAAAGTG 360 391 GATTAAAGTN GTGGCNTTTT TTTGCCTTNT G (2) INFORMATION FOR SEQ ID NO:240: (i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 353 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: double (D) TOPOLOGY: linear (xi) SEQUENCE DESCRIPTION: SEQ ID NO:240: GGCACGAGCC ACAGTGCAAG CCCCTGTCCC CTGGAGAGAT CCTGGGCTGC ACATCCCCCC 60 GACTGTCCAG AGAGGTGGAG GCCGTTNTGT ATCTTGGAGA TGGCCGCTTC CATCTGGAGT 120 NTGTNATGAT TGCCAACCNC AATGTCCCCG CTTACCGGTA TGACCCATAT AGCAAAGTCC 180 TATCCAGAGA ACACTATGAC CACCAGCGCA TGCAGGCTGC TCGCCAAGAA GCCATAGCCA 240 CTGCCCGNTC AGCTAAGTCC TGGGGCCTTA TTCTGGGNAC TTTGGGCCGC CAGGGCAGTC 300 CTNAAGATTC TTGTAGCACC TGGTAATNTN CGATTNCGAA GCCTTGGGCC TTT 353 (2) INFORMATION FOR SEQ ID NO:241: (i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 374 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: double (D) TOPOLOGY: linear

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:241:

GGGCAGACCC CCTCGAGCCG CGAAGGAGCC CGAGAAGCAG CCACGATGTG CGGAATNTTT	120
GCCTACATGA ACTACAGAGT CCCCCGGACG AGGAAGGAGA TCTTCGAAAC CCTCATCAAG	180
	240
GGCCTGCAGC GGCTGGAGTA CAGAGGCTAC GACTCGGCAG GTNTGGCGAT CGATGGGAAT	240
AATCACGAAG TNAAAGAAAG ACACATTCAG CTTGGTCAAG AAAAGGGGGGA AAGTCAAAGG	300
TTTTTCGATG GAAGGAACTT TTACAAAACA ANGTTCAGGC ATTGGGCTTA AAAAGTNGGN	360
GTTTTTNAGN ACCA	374
(2) INFORMATION FOR SEQ ID NO:242:	•
 (i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 291 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: double (D) TOPOLOGY: linear 	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:242:	
GGCACGAGGC CCCAGGTACT ATGCAGCTGT GGAGGCCAAG AAGGAGAGAA TGAGCAAACA	60
CGCCCAGACC TTTGGGGCCCA AGCAGCCCAC ACATCAGGGG GGCCCTGCAC AGGACCGCGG	120
AGTGTACCTG TCCCTCCTGG CCTCCCTCCG NACACGTNCC CAGTTNCCCG TGGTGGTGTT	180
CANCTTCTCC CGGGGCCGCT GTGATGAGCA GGCCTCAGGN CTNACCTCCN TTGACCTCAC	240
CACCAGTTCG GAGAAGAGCG AGATCCACCT NTTCCTGNCA GTGCTGCCTT G	291
(2) INFORMATION FOR SEQ ID NO:243:	
 (i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 256 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: double (D) TOPOLOGY: linear 	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:243:	
GGCACGAGCC TGTTTGAACC TCTNCNAGTC CTGGAGACTG GTGCCCTGAG CTCCAACCAG	60
CGGGCCTCAT CCTACACCCT CACCACCGCA ACTTNTNACC CGAGCAAGAA GCAGCTCCCA	120
GAGAGAAAGA ACGTTCCCAC CTGCNTAGCC ATGGGAGAGG ACGCTGCACA GGCCGAAAAG	18
TTCCAGCACC CTGGGTCTGA NATGCGGCAG GAAAAGCCCT CGAGCCCCAG CCCGNTGCCT	24
TCNTTCACAC NAAGNC	25
(2) INFORMATION FOR SEQ ID NO:244:	

(A) LENGTH: 133 base pairs(B) TYPE: nucleic acid(C) STRANDEDNESS: double(D) TOPOLOGY: linear	
TOGGREDATION, SEO ID NO.244.	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:244:	60
CCCCCAGAGC TGGACAGCCG GGNTGGAGTG CAGTGGTGTA ACCAAGCTCC CTGACAGCCT	
CTNTNTCCCA GCTAAGGTGA TCTTCCTGCC TCGGNCTCCC AGGTAGCTGG NGTTACAGAT	120
CGAGCGGCAC NTT	133
(2) INFORMATION FOR SEQ ID NO:245:	
 (i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 253 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: double (D) TOPOLOGY: linear 	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:245:	
GGCANAGGNA TCCGCAGGGA CTGGCTGACC ATNAACAACA TCAGCCTGNA TGAAAGGCGG	60
CTCCAAGGAA GTACTGGTTT GTGCCTGACT GCCGAGTNAC TGTCCTGGTT ACAAGGATGA	120
GGNGGAGAAA GNGAAAGNAG TACATGCTGC CTCTGGGACA ACCTCAAGAT CCGTGATGTG	180
GAGAAGGGCT TCATGTCCAA CAAGCACGTT TTCGCCATCT TNANCACGGG GCAANGAAAC	240
GTNCTTNCAA GGG	253
(2) INFORMATION FOR SEQ ID NO:246:	•
(i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 424 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: double (D) TOPOLOGY: linear	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:246:	
	60
GGCAGAGCCC CTATCAACTC TTTGGTCGAT CGGCTGGCCC TTCTCCAGGT CAGGAGGATT	120
CTNCAGCAGC TGGGCCTGGA CAGCACGTGT AAGGACAGCA TCGTGGTGAA GGAGGTGTGC	180
GGANCGTGTC CCGGCGNGCG GCCCAGCTCT GCGNTGCTGG CCTGGCCGCT ATAGTGGAAA	
AAAGGAGAGA AGACCAGGGG CTAGAGCACC TGAAGGATCA CTGTGGGTNT GGACGGCACC	240
CTGTACAAGC TGCACCCTCA CTTTTCTAGA ATATTGCAGG AAACTGTGAA AGGAACTAGC	300
CCCTCGATGT GATGTGGACA TTTCATGCTG TTCAGAAGAT GGCAGTNGNA AAAGGGGCAG	36

CACTGNTTCA TTGTTGTGGG CCAAGAGTTT ACAGNAGCAC AGAGGGGGAA NTAGGAACCC	420
CACTGNTTCA TTGTTGTGGG CCAAGACTT TIGTGTGTGT	424
TGGG	
(2) INFORMATION FOR SEQ ID NO:247:	
 (i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 439 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: double (D) TOPOLOGY: linear 	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:247:	
GGCAGAGCAG GTCTGGGCGG GGCACGTTTC CACGGTCTGA CCCGCCTNTC CCGCTGGTGC	60
CAGGTTGTNT CCAGCGGTTC AAGTGCTGCC AGGTCAACAT CGAGGNAAGG GCTAGGCAAG	120
TTTTGGTGGA TCCTGCGGAA AACCTGCTTC CTCATCGTGG AGCACAACTG GTTTAAGAAC	180
CTTCATCATC TTCATGAATT CTNCTGAGCA GTGGCGCCCT GGTGAGGTCC AGGGGAGAGT	240
NTGAAGGAGG GATTGGCTGG GGAAGGGTGT AGAGAAGCCA GTGGGAAAAG GCTGAGGCCA	300
AAGCCCAGTG GCTCTNAAAA CAGATTGGCT GTGGTNCCAA GAAGAATGAT CTGTTAAAAT	360
GCTTTTAGGC TGCTGTTTTG AGCCTNTGGG ATTAGGATTC CNAATTGTTC ACATNGTGAT	420
NCCCTTTAGC ACTGTNCCC	439
(2) INFORMATION FOR SEQ ID NO:248:	
 (i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 471 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: double (D) TOPOLOGY: linear 	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:248:	
AAATATGCTG CCAAGATGGG GAATCCAGCT GCTGAGCTTT GACAATAAGA TGGAGCTGGC	60
AAAGGTGGTA AAGAGCCACC CCAGTGCCAA GGTTTGTCCA GCAGAGGGGC ACTGCGTGTT	120
TGCATCAGGA TGGTTCTGTG NCATTGCTAC CGATGACTNC CACTCCCTGA AGCTGCCTGA	180
GCCTNAAAGT TTGGGAGTGT CACTGAAATC CTGCAGACAC CTGCTTGAAA ATGCGNAGGA	240
AGCACCATGT GGNAGGTGGT GGGTGTGAGT TTTNACATTG GGCAGTGGCT GTNCTGAACC	300
CTTCAGGCCT ATGGTNCAGT TCCATCGCAA ACGGCCCGGN TTCGTGTTTT GAAAATGGGG	360
CACCCNGGTT GGGGTTCACA AGTTTGCCAC GTTTCTTGGG ACCCTTGGGT GGGTGGGGTT	420
TTCCNTGGGC ACCAAAAGGG GGGCCNAAAG TGNAGGTTTT NNAAGGGGTT T	473

(2) INFORMATION FOR SEQ ID NO:249:	
(i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 319 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: double (D) TOPOLOGY: linear	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:249:	
GGCACGAGAA TGAACCGTGG GGATGACACC CCCCTGCATC TGGCAGCCAG TNATGGACAC	60
CGTGATATTN TACAGAAGCT ATTGCAGTAC AAGGCAGACA TCAATGCAGT GAATGAAACA	120
CGGGAATGTG CCCCTGGCAC TGATGCCTGT TTTTGGGGCC AAGATCAAGT GGCAGAGGAC	180
CTGGTGGCAA ATGGGGCCCT TNTNAGCATC TGTNAACAAG TTATGGAGAG ATGCCTGTGG	240
ACAANGNCAA GGCACCCCTG AGAAGAGNTT TTTCCGAGAG CGGGCAGNGA AGATGGGNCC	300
AGAATTTTCA ACCGTATTT	319
(2) INFORMATION FOR SEQ ID NO:250:	
 (i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 97 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: double (D) TOPOLOGY: linear (xi) SEQUENCE DESCRIPTION: SEQ ID NO:250: 	
CCAGGAGGTG TTGCAGTNAA CCAAGATCAC ACCACTGCAC TCCAGCCTAG GCAACANAGA	60
CTCTNTNTCA AAAAAAAAA AAAAAAAAA AAAAAAN	97
(2) INFORMATION FOR SEQ ID NO:251:	
(i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 245 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: double (D) TOPOLOGY: linear	
TD NO. 251.	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:251:	60
AATTTCAGTA ACCGAAAACT TAAGCCTTAG TATGAAAAAC TGAGGATTTA TAATTGAAAA	
TGAAAAAACT ATGTTACTNT CTATCATCAG AATTATAGTC TTTGGTGCTN NGTTTTCAAT	120
GGGGCATATT ACATAAGGTT GTTTCTTTCA CCCCAAAGAG ACTACTAGGT TACCACTCTG	180
GGGCATTGNC TTTCCACCTT AACCCCTNAA CCAGTAAGNC TNTTACACCC TNTTGTAGGC	240.

245

CCACT (2) INFORMATION FOR SEQ ID NO:252: (i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 182 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: double (D) TOPOLOGY: linear (xi) SEQUENCE DESCRIPTION: SEQ ID NO:252: CTGCTGCCCA ACCGGTTGCT GACCAAGGTG GCCGANATGG CGCACAGCAT CCTGGTCTGC 60 AGAAGCAAGA CNTGTGCNAN GTGCACCACG AGCCCCTCAA GCTTTTTTGC CAGANGGACC 120 AGAGCCCCAT CTNTTTGGTG TNCAGGGAGT CCCGGAGCAC CGNCTNGCAC AGGGTGCTGC 182 CC (2) INFORMATION FOR SEQ ID NO:253: (i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 391 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: double (D) TOPOLOGY: linear (xi) SEQUENCE DESCRIPTION: SEQ ID NO:253: GGCAGAGGTT CCTTGTCTAT GGCACCCGTA CGTCCAAAGA CAAGAGTGGA GCCTACCTCT 60 TCCTGCCCGA TGGCGAGGCC AAGCCCTACG TCCCCAAGGA GCCCCCCGTG CTGCGTGTCA CTGAAAGGCC CTTTCTTCTC AGAGGTGGTT GCGTACTATG AAGCACATTC ACCAGGCGGT 180 CCGGCTTTAC AATCTGCCAG GGGTGGAGGG GCTGTCTCTG GACATATCAT CCCTGGTGGA 240 CATCCGGGNA CTACGTCAAC AAGGAGCTTG GCCCTGCACA TCCATACAGA CATCGACAGC 300 CAGGGGTATC TTTTTCAAA GACCTCAATG GTTTTCAAGG TGGCAAGCCC CGAANGGTTA 360 391 TTNTGAAAGG AAGTTNCCNC TTTCCNGGGC C (2) INFORMATION FOR SEQ ID NO:254: (i) SEOUENCE CHARACTERISTICS: (A) LENGTH: 212 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: double (D) TOPOLOGY: linear

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:254:

1	TTTNNNCACG GCTCTCTNGT AATGCAGAAT CTGGGTGANA CTI	TCCACCCC (CACACAAGNC	60
7	CONTOCTCT TCGGCACGGG TCAACGGCAT GATAGGGCTG GTN	NACCTCAC '	TTTCAGAGAG	120
C	GCTGGTACAA CCTGCCTGCT GGGACATGNC AGAATCGANC TCA	AATTAANG '	rcatncaaaa	180
(GTGTGGGGTA AGATCGAGCA CTGCCTTGCT NG			212
	(2) INFORMATION FOR SEQ ID NO:255:			
	 (i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 356 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: double (D) TOPOLOGY: linear 			·
	(xi) SEQUENCE DESCRIPTION: SEQ ID NO:255:			
,	GGCAGAGNAT CAAATATGCT GCCAAGATGG NNAATCCAGC TG	SCTGAGCTT	TGACAATGAG	60
٠.	ATGGAGCTGG CAAAGGTGGT AAAGAGCCAC CCCAGTGCCA AGG	GTTTGTCC	AGCAGAGGGG	120
. 1	CACTGCGTGT NTGCATCAGG ATGGTTCTGT GCCATTGCTA CCC	CGATGNACT	CCCACTCCCT	180
	GAGCCTGCCT GAGCCTAAAA GTTTGGGAGT GTTCACTGGA AA	ATCCTGTC	AGACACCTGC	240
	TTTNAAAATG CCGAAGGAAG GCACCATGTG GNGGGTGGTG GG	GTGTGAAGT	TTTCACNTTG	300
	GCAGTGGCTG TTCCTGAACC CTCAGGGCCT GATGATNCAG TT	rccatngnc	AAACGG	356
	(2) INFORMATION FOR SEQ ID NO:256:			
	 (i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 490 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: double (D) TOPOLOGY: linear 			
	(xi) SEQUENCE DESCRIPTION: SEQ ID NO:256:	:		·
	GACTTTGGAT CCAGCTCAAA ATCTNACCTT NTCCTGAGCC CT	TTGCCTAGC	CCCCACCTCC	60
	ATCTTCGCTG CTCTGCTGCC TGTGCCGGGN AGGGGCTCTG TT	TTTTCCCCT	AGAAATCTAT	120
	GCCTTGCGCT GGGGGCCAGG ACACCACAGG GGTAGGCTCG TN	NTACAGCCT	CACTAGCCCA	180
	AGGGCCTACG AATGCCCTCT TGGGACAGAG AAGCCTGGAA TG	GGAAGAAAG	CTNATGCCAT	240
	TNCCTTGGCT GCTGGTTCTT TTGGCATTGG GAANTCTTCC TT	TCTCTCTAA	TGTCATNCTT	300
	GCTGCTGTNC CGCTGCATTA TTTCCCTTTA AATNTTTCNG GG	GANTTGGGG	GTGAACNGNT	360
	GTTTGCACCN AACCCTGGGG ATGTGCTTGG GGGAGGAAGG GG	GAGGGGGAA	GGTCTGGGAA	420
	NTTTTNTNTN TTTGGCCCAG TTNAGGTTGN AGGNCAGGGG GG	GNCCCCGTT	CTGGAGGAAG	480

490 GAGAGCNTCC (2) INFORMATION FOR SEQ ID NO:257: (i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 328 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: double (D) TOPOLOGY: linear (xi) SEQUENCE DESCRIPTION: SEQ ID NO:257: 60 GGNAGAGGTG GCTTGAACCC GGAAGTTTAA GGCTGCAGTA AGCTATCATG GCACCCACTG CACTCCAGCC TGCNTAACCC AAAGAGACCT TACCTCTAAA AAACAAAAAA ACGGAATCCC 120 CAAGTAGTTA GTGTTGCATT GTCTGCTGCC GTCCAGAGCC CAGAACGCTT CCTCCAGCTT 180 GGCGCCAAGG TCCCAAAGGG CGCACTGCTG CTCGGCCCCC CCGGCTGTGG GAAGACGCTG 240 NTGGCCAAGG CGGTGGCCAC GGAGGCTTCA GGTGCCCTTN CTGGNGATGG CCGGCCCANA 300 328 NTTTCGTGGA GGTCATTGGA GGCCTCGG (2) INFORMATION FOR SEQ ID NO:258: (i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 219 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: double (D) TOPOLOGY: linear (xi) SEQUENCE DESCRIPTION: SEQ ID NO:258: NAGAGCACAT CAAGGAAGAN CACAACATGT GGGCACTATC TNTNCTTCAT CGTCCTGGTG 60 AAAGTNAAAG GAACTCCACC GAATATACTG GGCCTGAGAA GTTACGTGGC AGAAATGAAT 120 CAAGGAAAGA AACCTTGACT GGTTCCCCAG GATGAGAAGC CATGTNATTG GTCAGCAGTG 180 219 AATTCTGAAA GGAGNACAGT NTGNGCCTGN GGAAACCTG (2) INFORMATION FOR SEQ ID NO:259: (i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 330 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: double (D) TOPOLOGY: linear

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:259:

CGGGCGAGAA GACGTACACG CAGCGCTGCC GCCTNTTCGT GGGAAATCTG CCCACCGACA	120
TCACGGAGGA GGTACTTGAA GAGGCTCTTC GAACGCTATG GNGAGCCCAG CGAAGTCTTT	180
CATCAACCGG GACCGTGGGT TCGGCTTCAT CCGCTTGGGA ATCCAGAACC CTGGCTGGAA	240
ATTGGCAAAA GCAGAGCTGG GACGGGCACC ATTTCTTCAA GAGNNAGACC TCTTACGGNA	300
TTTCGCTTTC GTTAACAACA TGGGNGTNAG	330
(2) INFORMATION FOR SEQ ID NO:260:	
 (i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 301 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: double (D) TOPOLOGY: linear 	· .
77 TD NO. 260	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:260:	•
TGCTGGAGAA CCAGACCCCA GAGTTCTTNC AGGACGTCTG CAAGCCNAAG TACAGCGGCA	60
CCCTGAACCT GGACAGGGTG ACCCNAGAGG CGTGCCCTGA GCTGGACTAC TTTGTGGTCT	120
TCTTCTCTGT GAAGCTGCGG GNGTGGCAAT GCGGGACAGA GCAACTACGG CTTTGCCAAT	180
TCCGNCATGG GAGCGTATCT NTGAAGAAAC GCCGGTACGA AGGCCTCCNA GGCTGGNCCG	240
TGCAGTNGGG GCGCCATCGG GACGGTGGGG CAATTTTGGG TNGAGACGAT TGAGNAACCA	300
A · · · ·	301
(2) INFORMATION FOR SEQ ID NO:261:	
 (i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 191 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: double (D) TOPOLOGY: linear 	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:261:	
GGCACGAGCC CAATNGGGNT CCCTNCNNCA GCCTCTACCT CTCCTNAANC CTNTGANANC	60
CNCCTACACA CACACAGG CATACTCAGN CCCACTCAAA GCTGAGAATG ATCCAACTCA	120
GCCCTACTTT NCGGATGGAC ATATTAAGGC CANGAGGGGC GGGNCTTNCC CCAGGTCGTA	180
TGGCAGNGGG G	191
(2) INFORMATION FOR SEQ ID NO:262:	

(A) LENGTH: 452 base pairs (B) TYPE: nucleic acid

(C) STRANDEDNESS: double
(D) TOPOLOGY: linear

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:262: GGCACGAGCA GGTCTGGGCG GGGCACGTTT CCACGGTCTG ACCCGCCTTT CCCGCTGGTG 60. CCAGGTTGTN TCCAGCGGTT CAAGTGCTGC CAGGTCAACA TCGAGGAAGG GCTAGGCAAG 120 TNTTGGTGGA TCCTGCGGAA AACCTGCTTC CTCATCGTGG AGCACAACTG GTTTNAGACC 180 TTCATCATCT TCATGATTTT CTTGAGNANT GGCGCCCTGN TNAGNNCCAG GGTNAGAGTT 240 TAGAGGAGGG ATTGGCTGGG GAAGGGTGTT AGGAGAAAGC CANTNGGGAA AAGGCTNAGG 300 CCAAAGCCCA GTGGGCTTNT TNAAAACAGA TTTGGCTGTG GGTCCCAAGA AGAATGATCC 360 TGTTAAAGTG CTTTTAGGCT TGNTTGCTTT GAGCCTTTGG GATTAGAATT CCATACTTTT 420 452 TCACATTGTG ATNCCTTTNA GCAATTTNCC NA (2) INFORMATION FOR SEQ ID NO:263: (i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 398 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: double (D) TOPOLOGY: linear (xi) SEQUENCE DESCRIPTION: SEQ ID NO:263: GGCACGAGCC CCTATCAACT CTTTGGTCGA TCGGCTGGCC CTTCTCCAGG TCAGGAGGAT 60 TCTNCAGCAG CTGGGACTGG ACAGCACGTG TNAGGACAGC ATCGTGGTGA AGGAGGTGTG 120 CGGACCGTGT CCCGGCGGCC GGCCCAGCTC TGNGGTGCTG GCCTGGCCGC TATAGTGGAA 180 AAAAGGAGAG AAGACCAGGG GCTAGAGCAC CTGAGGATCA CTGTGGGTGT GGACGGCACC 240 CTGTACAAGC TGCACCCTCA CTTTTCTAGG AATATTGCAG GAAACTNTNN AAGGAACTTA 300 GCCCCTCGNA TGGTGATGTG GACATTTCAT GCTGTCANAA GATGGNCANT GGGAAAAGGG 360 398 GCAGCACTGA TTCACTGNTG TGGGCCAAGA GGTTTACA (2) INFORMATION FOR SEQ ID NO:264: (i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 201 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: double (D) TOPOLOGY: linear

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:264:

ANGEN ANGER AGAGGATCAC TTGAGCCCAG	60
GGCACGAGGG TAAATCCTAG CTTCTCGGGA AACTAAGGCA AGAGGATCAC TTGAGCCCAG	120
GAAGGTGGAG GCTNCAGTNA GCTGTGATTG CACCACTGNA CTTTAGCCTG TNTGAACAAA	180
TTTGTGGGCA TAGGAATTCT TCATAATGTT CCTTTATTAA TCCTTTNTTT TTTTTTTTTT	201 -
TNAAAAGGGN GGCCNCTGAC C	
(2) INFORMATION FOR SEQ ID NO:265:	
 (i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 301 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: double (D) TOPOLOGY: linear 	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:265:	
CCCACACGTC AATGTACATT TNATATTAAA AAAAGCCAAA ATAACAATGG GGTGAGANCA	.60
GGCAGAGGTC 1210	120
TCANTGGGAC TCGTATTCTG GGCAGCAGCA CAGCACCGTN TGGGAACAAG GTACACCCTC	180
TCANTGGGAC TCGTATTCTO OF TOTAL CONTINUES OF TAXABLE	240
CCCACACCTG NGCCTTTTCA CCCACACCTC GTGGAAAACA GTTCAGCCCT GCCCGGGCGN TCTTTTAAAG GNNGAGCTCT AAGGGATCAC	300
GTGGAAAACA GTTCAGCCCT GCCCGGGCCAA	301
A	
(2) INFORMATION FOR SEQ ID NO:266:	
 (i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 507 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: double (D) TOPOLOGY: linear 	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:266:	
(xi) SEQUENCE DESCRITTED. GGGAGGCGGG NGGCCATGCG GNTTNCAGCC CTGAAATCTC CCAGCCGCAG AAGGGCCGGA	60
GGGAGGCGGG NGGCCATGCG GNTTNCAGCC CTGLAC AGCNCCGGGA ACCTAGAGCT TCCACTCAGT CCGAGCCTGC NAGGTGGGCC GGGAACCCGA	120
AGCNCCGGGA ACCTAGAGCT TCCACTCAGT CCGAGCT CCGGGGCCGG CGNCTGAACC ACGGACCCCA GGATCGGGAA GTGGCTCCGG CCTCCAGGCT CCGGGGCCGG CGNCTGAACC	180
ACGGACCCCA GGATCGGGAA GTGGCTCCGG CCTCCTGN TTGCTGACAC CCAGCTCGCT	240
CCATCCCTGC TTCCTACGGC ATGACATTGA ACCCCGGTGN TTGCTGACAC CCAGCTCGCT	300
GCCTCCTAAG CATTNCACTT CTGGAGCACC CTGAGTCCCA TTNCGNCCCC GTAGCCCGGC	360
CAAGTTTCC TTTCCATTC CATCCAGTGG GCAGNGCCAG GTGCACATNC TTTTTNTAAG	420
GTGGATGGC TTTTGACCCC GTGGGTGGTT TTNCCCAGGG NNCCAAAANN CTGATTATTA	480
ANCANCAACA ANAACAACCT TTTNGGGTNA ATTTNNAGCC AGTTTTTTTN CAGCAAGCAT	

	507
TTTAAGGGGG AAANTAGTTN AATTGAA	
(2) INFORMATION FOR SEQ ID NO:267:	
(i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 122 base pairs (B) TYPE: nucleic acid (Compared to the compared t	
(C) STRANDEDNESS: double (D) TOPOLOGY: linear	•
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:267:	60
CCACCTGGGA GCAGGTACAG GNTCTCTGAC ATATCTCNAT GGGNTACAAA ATGAAGNTGT	120
ACTNCCAGAC TAACCCCTAC TTCACAAACA TGGTGATTGT CAAGGGGTTC CAGCGCAACC	120
GN	122
(2) INFORMATION FOR SEQ ID NO:268:	
CHARACTERISTICS:	
(A) LENGTH: 181 base parts (B) Type: nucleic acid	
(C) STRANDEDNESS: double (D) TOPOLOGY: linear	
	•
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:268:	60
CGGCGGCCAT TGCGAAAAAC TTCCCCACGG CTACTGCGTC CACGTGGNGG TGGCGTGGGG	120
NACTCCCTGT AAAGNAGAGN GAGCATGGCG CCCGGAANGT CGTGAGTCGA GTCTTTCCCG	180
GGCTAATCCA TGCCNGNGTG GAGGCTTCTG ACGCAAGTTG GNGCCCANGT GCTGGATCGA	181
C .	
(2) INFORMATION FOR SEQ ID NO:269:	
 (i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 296 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: double (D) TOPOLOGY: linear 	
(b) 10102000	
GOLDETON: SEO ID NO:269:	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:269: GGCACAGGTC TTTTGCCACG GCTCTCTGGT AATGCAGAAT CTGGGTGAGA CTTCCACCNC	60
GGCACAGGTC TTTTGCCACG GCTCTCTGGT AAACGCCATG ATAGGGCTGG TGACCTCACT	120
CACACAAGGC TCGGTGCTCT TCGGCACGGT CAACGGCATG ATAGGGCTGG TGACCTCACT GTCAGAGGC TGGTACAACC TCCTGACTGG ACATGCAGAA TCGACTCAAT AAAGTCATCA	180
GTCAGAGAGC TGGTACAACC TCCTGACTGG ACATGCAGTAT TCACACCGGA GCGGTAAGAC	24
AAAGTGTGGG GAAGATCGAG CACTCCTTCT GGAGATNCTT TCACACCGGA GCGGTAAGAC	

AGGAACCAGC CACAGGTTTG CATNGACGGT NNACTTTGAT TGNAGAAGTT TCCTGG	296
(2) INFORMATION FOR SEQ ID NO:270:	
 (i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 62 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: double (D) TOPOLOGY: linear 	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:270:	60
GGCANAGGTG GCATATTCCT GTAATCTCAG NCTCCTNGGT AGCTGGGACT ACAGNNACAT	62
GC	
(2) INFORMATION FOR SEQ ID NO:271:	
 (i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 431 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: double (D) TOPOLOGY: linear 	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:271: GGCAGAGTNT TTTATTTAAC ATGATTTTTC TATATCGTTA CTGTCGAATG CTAGANGAAG	60
COMORDICCE AGGTCGGACA GCAGACTTTG TATTTATGTT CCTTTTTGGT GGATTCTTAA	120
TOLOGO TOTAL TIGOTOTOTT GTGAAGCTTA GTTTTCTTGG GCCAGGCCTT TACAATAATG	180
CHOCHETATE TETEGAGECG AAGGAACECE TATETECEGEA TEGAACTTET TEGGECETTET	240
CARCUTCCAG GCCCCCTTTC TGCCCTGGGT GCTCANGGGA TTTTNCCCTG TTGTTGGGGA	300
ACTION ATTOM TITTING TITTING GACAACAAAT AATNITITEET	360
TGGAAGATGT AATTTCCCAA TCAAACCGGG NGGNATAAGA ATTNTGAAAA AAACCAATTN	420
TTTTGAAAAG G	431
(2) INFORMATION FOR SEQ ID NO:272:	
(i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 101 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: double (D) TOPOLOGY: linear	

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:272:

NONACCACGG T	101
AAGGCATCCT TCACCTTGAA GTAACCCNAT NGNAGCACGG T	
(2) INFORMATION FOR SEQ ID NO:273:	
(i) SEQUENCE CHARACTERISTICS:	
(A) LENGTH: 480 base pairs (B) TYPE: nucleic acid	
(C) STRANDEDNESS: double (D) TOPOLOGY: linear	
(D) TOPOBOCI -	
vo 273	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:273:	60
GGCAGAGNCA GGCCTTCTCA GGAAGAAAGT GGAGGTCCTG GCTGAGGCCT GCACAGACCT	120
COMMUNICACIO CAGAAGCAGO TCACCGTGGG CCTGCCGCCC GAGCCCCGGG AAGAAGATCA	_
TCTCTGNGNC CCCTTCCCCC AGAGGAGCTT CANAAAACTN CATCTACGNA GGCCAGTGGG	180
CAGGACATCA GCATTGCCGT CCTTCACGCA GGAGGATTGT GGTTTACCTG GCCATGTTAT	240
CAGGACATCA GCATTGCCGT CCTTCACGGT GAGACTNCGG ATTGGGANTG	300
GTTCAGGGNC GCACAGACCT NCTTTTNTGG GAGATTGCTT GAGACTNCGG ATTGGGANTG	360
ATCATTCAGG TTGTTGGGCC ACGGGAGCNT NGGCACGGAG CCTTGAAANT GNTTCAAGGA	420
GGAAGAGGNT TTTTNGAAAN TTTTGATGGA ACCTTCAGNC CTTTTGGATT ATGNAAAAAT	480
TTTCCTGNAA CCATATTTTT AAGTGGGGGA AAAAGTTTTG GGGTTTGAAA GAAGTTTNCN	
	480
777 770 ID NO. 274:	
(2) INFORMATION FOR SEQ ID NO:274:	
(i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 418 base pairs	
(p) mypr. nucleic acid	
(C) STRANDEDNESS: double (D) TOPOLOGY: linear	
, — , — , — , — , — , — , — , — , — , —	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:274:	
(xi) SEQUENCE DESCRIPTION. SEL	60
TTGGCTGGGA CTGTCTCCAC GCTGGGGTAC AAGTTCTTCA CGCNCATCCT TGAATCAAAA	120
TTCAAAGTCC AAGACACATG TGGAGTNCAC AACCTCCATG GGATGCCGGG GGTCCTGGGG	180
COCCUCCTOR GGGTCCTTGT GGCTGGACTT GCCACCCATG AAGCTTACGG AGATGGCCTG	
CACACTOTOT TTCCACTCAT AGCCGAGGGC CAGCGCATGC CCACGTCACA GGCCATGCAC	240
CAGCTCTTCG GGCTGTTTGT NACACTGATG TTTGCCTCTG TGGGGCGGGG GGCTTGGAGG	300
CAGCTCTTCG GGCTGTTTGT NACTOODS CATCATATTG GTNTTATGCC TCCTAGANCC CTGTGCCCTT TGGGATTGGG TNGGCAACCT	360
CATCATATTG GTNTTATGCC TCCTAGANCC CIGIOGUE TCCCTTAACC ANCAACCA	418
TCTTCCAAGG TGGGGGGCA AAGAAGNCTT NAAAAATTCT TCCCTTAACC ANCAACCA	
(2) INFORMATION FOR SEQ ID NO:275:	

(i) SEQUENCE CHARACTERISTED (A) LENGTH: 340 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: double	
(C) STRANDEDICES: (D) TOPOLOGY: linear	
	•
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:275:	
GGCACGAGCC GGTGTTATCC TCCAGTGCTG AGACAGGCCG TCTCCCTGGC CCGGCGCATC	60
CAGGACCCTC TGATTGAATT TGCCCAGGTG TGCAGTTCCG ATGAAGACAT CCTGTGTCTC	120
AAGTTTCACC CCTTGCAGGA GCATGTGGTG AAAGAGGAGC TGCTCAACGC CTTGTACTGT	180
AAGTTTCACC CCTTGCACCT GTAATTTATC AACCGAGTCA ATGAGGTCGG GGTTGATGTC AACCGTGCCA TTNGCCCACC	240
GTAATTTATC AACCGAGTCA MOTOR GTAATTTATC GACCTTGGAA AGGGACCCAC CTTACAGCCA GGCCTTGATC CAGTATGTTT TNTGGCCTNG GACCTTGGAA AGGGACCCAC	300
CTTACAGCCA GGCCTTGATC CACTAGACAA CCNGGTTNNG	340
CTACTGAAGA TCCTGGAAGC AGAACAACAA CCNGGTTNNG	
(2) INFORMATION FOR SEQ ID NO:276:	
(i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 303 base pairs (B) TYPE: nucleic acid	
(C) STRANDEDNESS: double (D) TOPOLOGY: linear	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:276:	
(X1) SEQUENCE DESCRIPTION TACACACTTT TAAACAACCA GCTTTCACAG GAATTCACTC ACTATCATAG GAACAGCACC	60
TACACACTTT TAAACAACCA GCTTTCAGAGA AACTGCCCCC ATGCATTGGN TAATNATCTT AAGGGGGAAG GTGTTAAACC ATTCAGGAGA AACTGCCCCC ATGCATTGGN TAATNATCTT	120
AAGGGGGAAG GTGTTAAACC ATTCAGGAGA AACTCGA CATGAGATTT GGGCAGGGAC	180
CCACCAGGCC CTACCTCCAA CGTTGGAGAT TNCAATTCGA CATGAGATTT GGGCAGGGAC	240
ACAGATCCAA AACATATCAG ACCTAAAAGC AGTTCATGGG AGACCACTGA ACAAGCGCAA	300
ACAGATGOTT	303
TTG	
(2) INFORMATION FOR SEQ ID NO:277:	
 (i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 378 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: double (D) TOPOLOGY: linear 	
(D) TOPOLOGI: ZZZZZZZZZZZZZZZZZZZZZZZZZZZZZZZZZZZZ	

60

·	0.2
CCGAGGCTAG GGTACGAAAG GATGGCTTCT GCGTGGTGCT CANTCTCTCC CAGATCCCTT	120
GCTCTGTAGG AAACCAACCC CCTAAGGCCT AAAGATGGAA GTGACCCAGG TGTCTACTGA	180
TGGATGAACA GATCAACAAA GTGGGATGTA TTCACACAAA GGAATATTAT TCAGGGGGGA	240
TGGATGAACA GATCAACAAA GIGGGITOTT AANGGAAGNA AATTCTTGAC ACATGGNTAC AACATGTAAT GAACCTTNGA AAGACATGAA AANGGAAGNA AATTCTTGAC ACATGGNTAC AACATGTAAT GAACCTTNGA AAGACATGAA	300 .
AANGGAAGNA AATTCTTGAC ACATGGNIAC INICITED TO TAGTCACAA AAAGGACCCA ATTAACTNGC ATTGAGNATC	360
TGCTGGAGTG AAAATAAAAC TTAGTCACAA AAAGGACCCII III	378
CCCANTTTNT TATTGGAA	
(2) INFORMATION FOR SEQ ID NO:278:	· . •
 (i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 480 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: double (D) TOPOLOGY: linear 	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:278:	
(xi) SEQUENCE DESCRIPTION. SEQ 22.	60
GGCAGAGGAT TTTATTTACT ATTATTTTAG AAAAAGTAGG CAGTAATTTC GAGTCAACTG	120
CTTTTTCTAA ATCATTTAAC GTGTTAAATG AGGAACCCTA CTGCACAAAT GTAGGGTTAA	180
GTATCACTTT TGAAGGTTTA CTTCAAAGTA AGTGNAATTA AGGCTATCAA GGGAAGAATG	240
TTTTTGGCTA TAAACTGGCA TAAAGAAAAN GAAGAACTGG GNGAAATTAC TGAACTAGAG	300
GAAGTNCATC GGAACTAGAG GTGTTGAACT AAATTATTTG TAGACGTGAA TCCGGCTTTC	360
CATTGTNCCG GGGGAAAATT TCCCATGGTT TTNGTTTGGT CTTCTTCGNC CCAGGTTCCA	420
TTAATGGGCC ANGNNCCACA CATTTGGGGG TGGGTTTAAG GGNACCGGGN AAATTTAAAC	480
CCGTTTAAAA AGGGGGGGG GGGGGGNCCA AGGNTTCCCC CCNTTTGGGG AAAGTGGGTT	
	480
(2) INFORMATION FOR SEQ ID NO:279:	
(i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 154 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: double (D) TOPOLOGY: linear	
SEC ID NO: 279:	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:279:	60
GGCACGAGGC AAACANCTCA GCAAGCTCCT TCTTGTCCAT GGACACTGGT GTTATACACG	120
GGCACGAGGC 122101214 GGTTTCCAAC ATGATTCTCT ATTTTTCCTA TAAGAATGTG GNCTATGTGA AACCNCCTTT	154
TCTGGTACCA CNNCCTTTTG NGGGATTTTC AGGG	

(2) INFORMATION FOR SEQ ID NO:280: (i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 237 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: double (D) TOPOLOGY: linear (xi) SEQUENCE DESCRIPTION: SEQ ID NO:280: GGCANAGGGA AAAAGCCATT CTACTAAGTC CTGTCCTTGG ACAATAACAC CAGTAGGNNA 60 . ATGCTGAGTT GGAAAAATTA GCAAATCTAG AGTCTTCTCT GGTTCTATTC TATTNATTTA 120 AGCTTTATGG GACTTGCTTT NCGATTAGCT GCAGCTCCTG CCCTTAGCTT CTTTNGTTNA 180 ATTGCCCAAG GGCTAGTGAA GACTTAGGTT CTCCTCCAAG GTTAGAAAAT TNGNTAA 237 (2) INFORMATION FOR SEQ ID NO:281: (i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 435 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: double (D) TOPOLOGY: linear (xi) SEQUENCE DESCRIPTION: SEQ ID NO:281: GGCAGAGCAC AGATGCTGTC CTGAGCAGAT GGCATGTAAT GCCCGCACCA NCCGTTCTGG 60 GGTCACGTGC AAGAGGCTGG CTGGAAATNA TGCCAGGCAT GCTCTTGCCA CCAGAGAACC 120 TCTTGCCCTG TTCTNATGTG CCCCAGAGCC CAGTNTTGGG CCTCCCCTTG AACGCTCCCC 180 TTCGTGCCCC CTACCTGTGG GAAGGTCTCT TCTGAACTGC CCCTGTCCTG TTCCCAACAG 240 GTTCAGGCCA ACAAGGTGAA GAAACTCTCC ATCGTTGTCT CCCTGGGGAC AGGGGGGTTC 300 CCCACAAGTG CCCTGTGAAC CTGTNTGGGA TGTTTTTCGT TCCCAGNAAA NCCTTGGGGA 360 GGTTGGGCCA AAATTGTTTT TTGGGGGCCCA AGGNAATGGG GGAANATGGT TGGTGGGATT 420' 435 TTTTNAATTT TGGGG

(2) INFORMATION FOR SEQ ID NO:282:

- (i) SEQUENCE CHARACTERISTICS:
 - (A) LENGTH: 446 base pairs
 - (B) TYPE: nucleic acid
 - (C) STRANDEDNESS: double
 - (D) TOPOLOGY: linear

⁽xi) SEQUENCE DESCRIPTION: SEQ ID NO:282:

•	
GGCAGAGCTT TTGACCCTCA TTTCAAGATC AACAATGCAG TTTCCAATAT CATTTGCTCC	60
ATCACCTTCG GAGAACGCTT TGAGTACCAG GATAGTTGGT TTCAGCAGCT GCTGAAGTTA	120
CTAGATGAAG TCACATACTT GGGAGGCTTC AAAGACATGC CAGCTCTACA ATGTCTTTCC	180
ATGGATAATG AAATTCCTGC CTGGACCCCA CCAAACTCTC TTCAGCAACT GGGAAAAAAC	240
TGAAATTGTT TGTTTCTCAT ATGATTGACA AACACAGAAA GGNTTGGGAT CCTGCCAGAA	300
ACAAGAGACT TTATTGATGC TTACCTTAAG GAATGTNCAA GGCACACAGG CAATCCTACT	360
TCAAGTTTTC CTGGAGGAAA ACNTCNTTGC GGCACCTGGA CNTTTTTTTG CCGGANCGGG	420
ACAATTCCCA ATTGGGGTTG GGTTNG	446
(2) INFORMATION FOR SEQ ID NO:283:	
(i) SEQUENCE CHARACTERISTICS:	
(A) LENGTH: 319 base pairs (B) TYPE: nucleic acid	
(C) STRANDEDNESS: double	•
(D) TOPOLOGY: linear	
wo 202	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:283:	60
GAGCCGGCCG TNCTGCCAGC TGCNTGTAAT GCAGGAACCT GGCTGCACCA TGGGTATCTC	
CTCCANCTGC AATTTTCCTT TCTNTACTTT NTGCAGGTTN ACCTACCATG GGGTCTCCCC	120
ATGTTAAGGT GACTGCAGAG AAAATTAATG GACTTACGAA ATGATTACCT GCANNCGGAT	180
GAGGCTAATA AAGATTTTTG GTTCAAAGGT ATGGTAAGAG AGTGAATTCA GAAAGGCACT	240
GGNAAGAGAA TGGNAAAGTT AGGGTGTGGC TAGAGANGGA NCTTCAAAGA GNCTGCCCAT	300
GTTGTGGAAC TTCCCATAG	319
(2) INFORMATION FOR SEQ ID NO:284:	
 (i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 309 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: double (D) TOPOLOGY: linear 	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:284:	
GGCACGAGGA AAAGAATTAG AGTTCTTGAA AAAACTTAAT GATGCTGATC CTGATGACAA	60
ATTTCATTGT CTGAGAACTC TTCAGGCACT TCTATCACAA GCAGCATCTT TGTCTGGTAT	120
TCGAGCCTCT CAGCATGAAC TTACGAGAGG TGTTAAAAAA ATATGGTAAA GATGTTGGTC	180
TTCATATTAA AGCTGTAAGA TCCTATAGTT CAGCAGTTGT TCCTGGCATT GAAACTCCTT	240

AAAAGATGCA TATNGTACAT GCCGATATCA AGCNAGACAA TATTCTGGGT TAATGGNATN	300
CCAAAACNT	309
(2) INFORMATION FOR SEQ ID NO:285:	
 (i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 368 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: double (D) TOPOLOGY: linear 	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:285:	
GGCANAGGGC AAAGTCCACA CTGGGGAACG GCCCTATGAA TGTAGCCTGT NTGGGAAAAC	60
CTTCACTACC AGATCCTACC GCAATCGGCA CCAGCAGTTC CACACTGAAG AGAGGTCTTA	120
TGAAATGTAC AGAGTGTGGG AAGGCCTTCA AACATAGTTC CACCCTCCTT CAGCACAAGA	180
AAGTCCATAC TCCAGAAAGG CGTCAGGAGG ACAGGGCACA TGGGGAAGGT CGTTAGCTGC	240
TTAGCACCGT GTTCCATCAG GAAAGGTCTT ATTNCCAGAA AGGNGGTTAA GGAGAGTTGG	
CCCTTNAGAN TTCCCTTCCG AAAGGGGTTA AAACCTTGGC AAATTCCCAA CAACCCACCC	
CCAGGGNG	368
(2) INFORMATION FOR SEQ ID NO:286:	
 (i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 387 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: double (D) TOPOLOGY: linear 	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:286:	
GGCACGAGCG GCACGAGGGA AGATCCTAAT GAGGACATTG TGGAGAGAAA CATCCGAAT	r 60
ATTGTTCCTC TGAACAACAG GGAGAATATC TCTGAATCCC ACCTCACCAT TGANAACCA	
ATTTGTGTAC CATTTGTCTG AACCTCTGTG AAAAAATGTG AATCCTACAG AAGTGGAGC	r 180
GGATGAATCA GATAGTTACT GCTTACCCAG AGCAATATCT GTGAATGGAA GNCAGTGCT	
ACAGAGACCT GCTTACACTT ATGNACAGAA ACAAGTGCTT ACACAGCTGT GGGTTCCCC	
CTTCGTNATT ATGGGTTGGT GAGGACCCAA AATTGGGTGG GGAAAACAGG CCTTTAAAN	
CCCCAGATTG GCCTTGTTTA TTCCCTG	38
(2) INFORMATION FOR SEQ ID NO:287:	

(A) LENGTH: 393 base pairs(B) TYPE: nucleic acid

(A) LENGTH: 402 base pairs
(B) TYPE: nucleic acid
(C) STRANDEDNESS: double
(D) TOPOLOGY: linear

(C) STRANDEDNESS: double (D) TOPOLOGY: linear (xi) SEQUENCE DESCRIPTION: SEQ ID NO:287: TGGGGGCTCT TGGGTTCCTC GTCTGCTACA CAGAAGTGAG GAGATTCCCC TGACTGATCT 60 CATGTTGTTA AGTGTTCTAT CCATCCCCAC CACACCCCAA CTTCTTCATG NAAGCAGGTN 120 TCCATCCTTA TAACTTGAGA GGCTGTGAAT CATTCCATAG ATGTNGGTCT TCTGCTACCG 180 NTCTTCACAT TGCCTCTACA TACCAGGTCT TCAGCTGCAT TCTAGGAAAC ATCATATACT 240 ATTGGATTGC AAATCTATAA ATAATATAAG ACAATGGACT GACAGGGGAA AAAAGTTTTT 300 TTTTAAGTTT ACAAACTNCA ATCCCACTTG TTGGCATTTC NAAGGGGGCN ATACTTTTTC 360 CTTNATTCCA CCGTTTAAAG AAGTTTNGGA ATT 393 (2) INFORMATION FOR SEQ ID NO:288: (i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 508 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: double (D) TOPOLOGY: linear (xi) SEQUENCE DESCRIPTION: SEQ ID NO:288: GGCACGAGTG GNAATTTTAA GGGAATGAAA ATTAAACCTG GCTCAATGGG NAAACCTTCT 60 CCTGCTTTCG ATGTTAAGNT TGTAGATGTA AATGGCAATG TTCTACCTCC TGGACAAGAA 120 GGTGATATTG GCATTCAAGT TCTACCCAAC CGACCATTTG GCCTTTTTAC TCATTACGTG 180 GATAATCCTT CAAAAACAGC TTCAACTCTA CGAGGCAATT CTATATCACT GGGGACAGAG 240 GATATATGGA TAAAGATGGG TATTTCTNGT TTNTTTGCAA GNGCAGATGT TGGCANATAT 300 NCCCTGGTTN TCGATTTGGC CCCTTTGGGT GGNAAATCCC CCATTNNCAC CCCTTANTTT 360 AGAGTNCCCT TTTTCAAANG CCCNACCCCT TCAAGGGGGG NGGTNAAAGT TTTNGGNTTT 420 AAAACCCNTT TCNANGNCCA NTTCAGGGCC CCTTTTAAGG GGTTCCGGGG CTTTTAAAAA 480 CTCCGGGCCT TNAATTTCCC CAGGGGGG 508 (2) INFORMATION FOR SEQ ID NO:289: (i) SEQUENCE CHARACTERISTICS:

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:289:	
GGCAGAGNCA GAAGCCAAAT CAGGGACTGC TACTCCACAG AGATCGGGAT CAGTTA	GCAA 60
CTATCGATCT TGCCAAAGGA GTGATTCAGA TGCTGAGGCT CAAGGAAAAT CCTCAG	SAAGT 120
TTCTCTTACC TCATCTGTGA ACCTCACTTG ACTCTTCTCC TGTTGACCTA ACTCCA	AGAC 180
CTGGAAGTCA CACAATAGAA TTTTTTGAGA TGTGTGCAAA TCTAATTAAA ATTCTT	GCAC 240
AATAAACAGA AAACTTTGCT TATTTCTTTT GCAGCAATAA GCATGCATAA TAAGTC	ACAG 300
CCCAATGCTT CCCATTGTAA TCCAAGTTAT ACCTAATTTT TAACCGGGGG TTNGGG	NTTT 360
NGGATTGCAA TTTGNCACCG GGGTTTGGGA CCAGGTTTTT TN	402
(2) INFORMATION FOR SEQ ID NO:290:	
 (i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 258 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: double (D) TOPOLOGY: linear 	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:290:	
GGCANAGCNG AAACCGNGTG CGCANCGATN AAGCAACCTN AAGGACCCCA GGAACC	CNGG 60
NCTGNGANGG AACGTGCTCA GTGGGGCCAT CTCCGCAGGC TTATAGCCAA GATGAC	GGNA 120
GAGGAAATGG CCAGTGAATG AACTGAGGGA GTTGAGGAAT GCCATGACCC AGGAGG	CCAT 180
CCGTGAGCAC CAGTGGCCAA GANTGGCGGN ACCACCACTG ACCTNTTCCA TGNAGC	AAAT 240
GCAGGAAGAG GANTGCAC	258
(2) INFORMATION FOR SEQ ID NO:291:	
(i) SEQUENCE CHARACTERISTICS:(A) LENGTH: 496 base pairs(B) TYPE: nucleic acid(C) STRANDEDNESS: double(D) TOPOLOGY: linear	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:291:	•
GGCACGAGCA GATGTTCACA GCAGCACTAT CCATAATAGC CAGAAAGCAG AAGCAG	
GATGCCCACC AGCAGGTGNA TGGATGGACA GACTGTGGTC TGTCAGTGAA TGGAAT	
TTCAGCCCTT AAAAGGAATG AGGGACTGAC ACAGCACACA TGAGTNTGGG AAACAGG	GATG 180

CTGAGTAAAN GAAGTCAGAC ACAAAAGGCC ACACATTGTG TACTGTGTGA TTCCATTTCT

240

GTGNAATGCC CAGATTAGCA ANTCCGTAGA AACAGAAGTA	GATGAGTGGT	TGCCAGGAGA	300
TGGGGGAGAA GGAGCGGGGA GTATGTTCAT TCAGNCTGGA	TTTCNTTAAC	AAATGCCACA	360
GANGTTGTTT TAAACAACAG ACATTATTTT TCANGTTTTG	GAGGTGGAGT	TCTAGGCGNG	420
GTGCCTTCAA TTTCATTCCC ATGAGGCTTG TTCNTGGTTG	CAGAGGCCAC	CTTTTATTTG	480
TTCCCACNAN TTTTCC			496
(2) INFORMATION FOR SEQ ID NO:292:			
(i) SEQUENCE CHARACTERISTICS:(A) LENGTH: 238 base pairs(B) TYPE: nucleic acid(C) STRANDEDNESS: double(D) TOPOLOGY: linear			
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:2	92:		
ACGNNTNAGT NGCCAACTAC GTGGTCCAGA AGATGATTGA	CGTGGCGGAC	AGGACCAGCG	60
GAAGATCGTC ATNGCATAAG ATCCGGCCCC ACATCGCAAC	TCTTCGTAAG	TACACCTATG	120
GCAAGCACAT TCTGGCCAAG CTGGAGAAGT ACTACATGAA	GAACGGTGTT	GACTTAGGGC	180
CCATCTNTGG CCCCCCTAAA TGGTATCATC TGAGGCAGTG	TTCACCCGNT	GTTNNCNT	238
(2) INFORMATION FOR SEQ ID NO:293:			
(i) SEQUENCE CHARACTERISTICS:(A) LENGTH: 397 base pairs(B) TYPE: nucleic acid(C) STRANDEDNESS: double(D) TOPOLOGY: linear			
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:2	93:		
GGCAGAGGGA AATGGATCAN AGGATTCAGG CTGCAGAACA	TAAGACACGG	AAAGACGAAA	60
AACGCAAAGC TGAGGAAGCC CTCAGTGACC TCAGACGTCA	TATGAANCTG	NAAGTAGGAG	120
ATCTGCAGGT GAACCATTAA AAAGCTAAGA AAGCTCGAAG	AACAATCAAA	ACGCGTAAGT	180
CCAAAAGGAA GATGTGGCTG CATTGAAAAA ACAAATTTAT	GATTTATCCA	ATGGGNAAAC	240
CAGAAGTTAA GAAAGACCTT TTAGAAGCAC AGACAAACAT	AGCCTTTCTT	CAGAGTGAGT	300
TAGATGCTTT TGAAAAGTGG TTATGCTGAT CCGAGTCTGA	TTACTGNAGG	GNTCTTGGAA	360
TTATTCCGGG CTTACCCCNG AGGTTCGAAT TNGTNTT			397
(2) INFORMATION FOR SEQ ID NO:294:			

(A) LENGTH: 461 base pairs(B) TYPE: nucleic acid

(D) TOPOLOGY: linear

(C) STRANDEDNESS: double (D) TOPOLOGY: linear	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:294:	
GGCAGAGTTT CAAACAGGTA TCTAAGAACT TCAGTGAAGT ATTCCAGAAG TTAGTACCTG	60
GTGGCAAAGC TACTTTGGTG ATGAAGAAAG GAGATGTGGA GGGCAGTCAG TCTCAAGATG	120
AAGGAGAAGG GAGTGGTGAG AGTGAAGAGG GGTTCTGGCT CACAAAGCAG TGTCCCATCA	180
NTTGACCAGT TTACTGNAGT TGGAATTAGG GTGTCATTTA CAGGAAAACA AGGTGAAATG	240
AGAGAAATGC AACANCTTTC AGGTGGACAG AAATCCTTGG TAGCCCTTGC TCTGATTTTT	300
GCCATTNCAG AATGTGACCC GGCTCCTTTT ACTTGTTTGA TGAATTGACC AGGTCTNGGT	360
GTTCCAGCAC AGAAAGGCTG TTTTCAGTTT GGTTTTGGAA CTTGCTGTAC AGTTCATTTT	420
TTACACTANT TTTNGGCNGA ACTGTTGGGT CANTGNCATT T	461
(2) INFORMATION FOR SEQ ID NO:295:	
 (i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 374 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: double (D) TOPOLOGY: linear 	·
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:295:	
GGCACGAGCC AGTATTTGGT ATCTNTNTCT AGAGCGAGCA AGAGAGGAG AGAGGAGGAA	· 60
AAAATACACA TANTACAAAC ATACATGCAT GCACACATAC ATACACATGT ATACACACAC	120
ATAATTTGAA AACTGNTTGG CACTTCAACG NTGCTGAAAT TGTTTTTAAA TTGAAGTTTC	180
TTTCTTCCAC AAAGCAGCCG TTTCTATTCA AATGGANATT CAGTACCAGA GNNTAAATGT	240
CTATGTAGTC ATACTGATTT TAGATAGNTA AGGGCTACAG CATACTANNT CGACAACCAA	300
NTTTGTCATG TGACTAAACC GTTTACTTTC AGTTGGGGCT TACCATTACT GGTTTTCCGC	360
TTGGGGGNNT TTTT	374
(2) INFORMATION FOR SEQ ID NO:296:	
(i) SEQUENCE CHARACTERISTICS:(A) LENGTH: 378 base pairs(B) TYPE: nucleic acid(C) STRANDEDNESS: double	

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:296:	
GGCANAGCCA GACGGAACTG GAAAACCAGC TGGAGTACAA TAAGAGGCGA GAAAGAGAAC	60
TGCACAGAAA GCATGTCATG GAACTTCGGC AACAGCCAAA AAACTTAAAG GCCATGGNAA	. 120
ATGCAAATTA AAAAACAGTT TCAGGACACT TGCAAGTACA GACCAAACAG TATAAAGCAC	180
TCAAGANTCA CCAGTTGGTA AGTTACTCCA AAGATTGAGC ACAAAACANT CTTAAAGACA	240
CTGAAGGATG AGGCAGACAA GAAAACTTGC CATTTTGGCA GAGCAGTATG AACAGGGTAT	300
AATTGNNATG ATGGCCTCTT CAAGCNTTAC GGCTAGTTGA GGCTCCAGGA GGCAGTTGCC	360
CGGGCCTTGN GGNTACCG	378
(2) INFORMATION FOR SEQ ID NO:297:	
(i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 220 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: double (D) TOPOLOGY: linear	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:297:	
GGNAATGGTT ACAAAGCAAC CATTGATTAG AAGTATGCGA ACTGTAAAAA GGGGAACTTT	60
AAAGTTAATA TCTGGTTGGG TGAGCCGGTC CANTGANCCA CAGATGGTCG CTGAAAATTT	120
TGTTCCCCCT CTGTTGGATG CAGTTCTCAT TGTTTATCAG AGAAATNTCC CAGNTGGTAG	180
AGAACCAGGA AGTGNTNAGT ACTATGGCCA TAANTTGTCA	220
(2) INFORMATION FOR SEQ ID NO:298:	
(i) SEQUENCE CHARACTERISTICS:(A) LENGTH: 50 base pairs(B) TYPE: nucleic acid(C) STRANDEDNESS: double(D) TOPOLOGY: linear	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:298:	
TTTTTTTTTT TTTTTTTT TTTTTTTTT TTTTTTTT	50
(2) INFORMATION FOR SEQ ID NO:299:	
(i) SEQUENCE CHARACTERISTICS:(A) LENGTH: 142 base pairs(B) TYPE: nucleic acid(C) STRANDEDNESS: double(D) TOPOLOGY: linear	

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:299:
GTAATGCTCC TTTNNCCCCC CGGCAAGNTC TCAACGNCCC TAAACCTCTA TATCCCCACG 60
ATGGCCTTCA TTACTTACGT NCTCCTGGCT GGAATGGCAC TGGGCATTCA NAAAAGGTTC 120
TCCCCTGGNA GGTNNTGGGC CT 142
(2) INFORMATION FOR SEQ ID NO:300:
 (i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 315 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: double (D) TOPOLOGY: linear
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:300:
GGCANAGTTG GCACCCCCTG GCAAGGCNGG TGGGGGCNCC GGGCCCANCC TCCCCCAGGC 60
TTGGTGTACC CATGTGGTGC CTGTCGGAGT AAGGTGAACN ATGATNAGGA ATGCNAGNCT 120
GTGTAAGGCC TCCTGCCAGA AATGGTTCCA CCGTGAAGTG CCACAGGCAT GGACTAAAAG 180
CGCCTATGGG CTGCTGNACC ACTGTNAGCT TCTNCCGTCT GGGCCTGCAA TCTCTGCCTC 240
AAGACCAAGG AGATCCAGTT CTGTCTACAT CCGTNAAGNG GCATGGNGGC AGCTNGTGGC 300
TNCTAAACGA ATGGG
(2) INFORMATION FOR SEQ ID NO:301:
 (i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 177 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: double (D) TOPOLOGY: linear
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:301:
TGCCCTGGGC CTGNACTGNG GGTTCTGGTG GGACATNATT TATTGGGAAC CATGTTGCAT 60
GCATNAAGGG AGTGNCGCAA AAGCAATGCA GCAGAACGCA GGGNGCCTCT GTGAGGNCAC 120
ATTGTGGNGG ATGGTGTTGT CTTAGNTGAG AAGATCACTG NTGGAAACTT CCTGGCT 177
(2) INFORMATION FOR SEQ ID NO:302:
(i) SEQUENCE CHARACTERISTICS:(A) LENGTH: 210 base pairs(B) TYPE: nucleic acid(C) STRANDEDNESS: double

(D) TOPOLOGY: linear

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:302:	
CCAGCTGAAT TTTAAAAANT ATTTAATAGT GACAGGTCTN ACTGTNTTGC CCAGGCTCGT	60
TTTGAACCCC TGGGNCCAGG CGCTCCTCCN ACCTTGAACC TCCCAAAGTT CTGGGAGTTA	120
CACATGTGAG GCCANCACAC CAGGNCCAGA CTGGGTGAAT TTATGAANGA AATTTAACTT	180
CTGCCCACAC CGNCCNGCCT CCCCGCGAGA	210
(2) INFORMATION FOR SEQ ID NO:303:	
 (i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 198 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: double (D) TOPOLOGY: linear 	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:303:	
GGCACAGCGG GCTGAGAGGA GCGTGGCTGT CTCCTCTNTN CGNCATGGNT GTGCTCGGCC	60
ACNGATATCG GTGTACTCCG AAAAGGGGGG AGTCATTTGG CAAAAATGTC ACTTTGCCTG	120
GCTGTATTCA AGGCTCCTAT TCGACCAGAT ATNGTGAACT TTGTTCATCG CGNACTNTGC	180
GNCAAAACA ACAGNCAG	198
(2) INFORMATION FOR SEQ ID NO:304:	
 (i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 100 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: double (D) TOPOLOGY: linear 	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:304:	
CACATGAAGT GTTACAAGTG TTGAGGACTG CGGGAAGCCC CTGTNCGNTT GAGGCAGATG	60
ACAATNGCTG CTTCCCCCTG GGACGNTCAN TGCTGTGTCG	100
(2) INFORMATION FOR SEQ ID NO:305:	
 (i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 345 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: double (D) TOPOLOGY: linear 	

60

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:305:

•			
TTCTACCCAG AAAGAGATGC CGGGCTTGCC CCACAAAGTG	TGTTCGAAGG	TGTGAACGAG	120
AACTGCTTGT AGCTGTGCAG GCTCCAGCAG GNAACTGTGA	GCAGGTGTGA	ANACGGGCTT	180
CACACAGCTG GGGNACCTNC CTGCATCACC AACCACACGT C	GNCAGCAACG	CTGACGAAGA	240
ACATTCTGCA AGAATGGTGT AAGTNCCAAC CGGCTGTGCG	AAACGNTAAG	CTNCTTGCAT	300
TCCAGTTTCT GGCTGGCCNG CACGTTGACC TCCTGGGNCC	GGGGT		345
(2) INFORMATION FOR SEQ ID NO:306:			
(i) SEQUENCE CHARACTERISTICS:(A) LENGTH: 451 base pairs(B) TYPE: nucleic acid(C) STRANDEDNESS: double(D) TOPOLOGY: linear			
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:30	6:		
CATGCACTTT GCCTTCGGAA ATGGCTGTAC ATTCAAGATA	CTTGTCCAAT	GTGCCATCAG	60
AAAGTATACA TCGAAGANAT NATCAAGGAT AATTCAAATG	ТАТСТААСАА	CAATGGATTT	120
ATTCCACCCA ATGAAACTCC AGAGGAAGCT GTAAGAGAAG	CTGCTGCTGA	ATCTGACAGG	180
GAATTGAACG ANGATGACAG TACAGATTGT GAATGATGAT	GTTCAAAGAG	AAAGAAATGG	240
GAGTGATTCA GCACACAGGC GCANAGCTGA AGANTTTAAT	GATGGATTAC	TGACTGATGA	300
AATTAGCTTT TATTAATGGT TGAGGTATTT GTTTNAAATT	CCAGTTCCNT	CCAAATGGGG	360
TAATATCCCT TCACCTTCAT GTGTAACCAG GCACAAAAAC	AGTTTCATGT	GGATCCGTGG	420
ATGGGTTTTN CNTTTACNGT NGATGTGNTA C			451
(2) INFORMATION FOR SEQ ID NO:307:			
 (i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 415 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: double (D) TOPOLOGY: linear 		·	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:30	17 ·		
GGCACGAGGC CAACGGTACC TGTTTATGCG AGGAGGGCTA		GACTGCGGCC	60
			120
AGCGGCAGTN TCTGANTGCC TGCAGTGGGC GAGGACAATN			
NTNAAAGAGG GCTACCAGGG CCCTGACTGC TCAGCATTGC		•	180
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AATATGTGAT CTCTTACCAG CCGACGGCCC TGGGGGGTNT CCCAGNTCCA GCANCGGGTG

300

CCTGGAGATT TGAGTGGTGT CACCATGANG GAGCTGGAGC CAGATCTTTC CATNCTCAAG	360
GGCTACAATT TAAGACGTTC ACAGNGACCA CCTTGGAGTG CAANGGGNGC CTTTT	415
(2) INFORMATION FOR SEQ ID NO:308:	
 (i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 312 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: double (D) TOPOLOGY: linear 	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:308:	
GGCANAGGGT AGACGGAGCC GCCATCCGCA CTGCAGTCCC CTCTCGGCTG CTTGCTCAGC	60
CTGCTCCGGC CCCGGTCTGC CCCCACGGAG CTCCGGGCAC TTGTGGCAGA CGAGCCCGAG	120
GACCTGGACA CGGAGGACGA GGGCCTCATC AGCTTCGAGG AGGAGCGGGC CCAGCTGTCC	180
TTCAACACGG ACACGCTCTG CTGACCACCC AGAGCTGGGC CANGGAGGAC ACGCTCCACT	240
GACCACCCAG AGCTNGGCCA AGGACTTAAC AATGGGGGAC ANAAGTTCCC CANTTGCCTG	300
GCNAAGGGCT GG	312
(2) INFORMATION FOR SEQ ID NO:309:	
 (i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 210 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: double (D) TOPOLOGY: linear 	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:309:	
ACAGGAACCT NGTGTCTNGT GGCTNGCCCG NGTGCGTGAT NATGAAGGGA GATTTCTATG	60
TCATTGAATA TGCTGCCTGT AATGCCACCT ACAATGGAAA TTGTTNACCC TGGGAGCGAC	120
TTCGGCCAGN TAATCCCAAT CCCCTTGGCA ACCAAAGGNC AGCTTCTTGA AGGTTACCAT	180
GGGCTGTGCC CGNGGGATCT NGAGAGNAAG	210
(2) INFORMATION FOR SEQ ID NO:310:	
 (i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 118 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: double (D) TOPOLOGY: linear 	

⁽xi) SEQUENCE DESCRIPTION: SEQ ID NO:310:

GAAAGNGGAC GCCCAGGGGT GCTGCATNGC ACAACCAAGT TTTTTGACAG CGGGAGNGGN	60
CCCGGGNGCA GAGGTAGTAC GCTCAACAAG ATGTGTTAAA GAAATCTTAC TCCAAGGN	118
(2) INFORMATION FOR SEQ ID NO:311:	
 (i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 104 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: double (D) TOPOLOGY: linear 	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:311:	60
CACCTCCGAG AGCCTGGATG TNATGGCGTC ACAGAAGAGA CCCTTCCCAG NGGCACGGNT	60
CCAAGTACCT GGNCCACAGC AAGTGACCAT NGGACCATGC CAGG	104
(2) INFORMATION FOR SEQ ID NO:312:	
 (i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 270 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: double (D) TOPOLOGY: linear 	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:312:	
ACTITICGACG TICAATGICT GIGGAGAAGA TAGACATIAG ICCGGITTIN CITCAAAAAG	60
GAAGCACAAA GATTGCNCTA TATGGTTTAG GATCCATTCC AGATGAAAGG CTCTATCGAA	120
TCTTTGTNAN TAAAAAAGTA ACAATGTTGA GACCAAAGGN AAGATGAGAA CTCTTGGTTT	180
AACTTNTTTT TGAATTCATC AGAACAGGTG TAAAACATGG GAGTACTAAC TTNNTTCCAG	240
AACAATTTTT GGTTGANTTC ATTGANTCTT	270
(2) INFORMATION FOR SEQ ID NO:313:	
 (i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 453 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: double (D) TOPOLOGY: linear 	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:313:	
GGCACGAGGT ATTTTNACT GGATATTGCC TTTNTNCTTT TNCTTGGTGC TGCCTTGTTA	60
GGCACGAGGT ATTITINACT CONTINUES TACTTUCTCT TGTCTTGGGT GANAAAATTT ATCTACAGAN NAATCAAAAG TTTGTGGTCT	120
AGAAATAAGC ATAGCACAGT TAATGGNCAT TACCACAATG GAATCCTCAA TGGCAAGTAC	180

ANAAGAAATG GCCATATTAA ACATGAAAAG AAAGTGAAAT GAGCCAACAG CCCAGGTGAT	240
ANAAGAAATG GCCATATTAA ACATGAAAAG AAAGTOTETT OOD ATTTAGTCTA ACAGCTTACT	300
AGAAATAAAT TGGTTCACTC ATTGAATTTT TATTGCTATT ATTTAGTCTA ACAGCTTACT	360
TAAAAGTAAA ACATCAGTAA ACAATTCTTA ACATGCCCTT ATGAGANCTA CTTAATGAAA	420
TTCCTGTGGG ATTNAAGGTG GCTGTAAAAA GCACAAACCT AAAATNGCAG AAATGTNNTT	
NATTTCAAAT ACTGATGTAG GGGGTTTTTG GCA	453
(2) INFORMATION FOR SEQ ID NO:314:	
 (i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 323 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: double (D) TOPOLOGY: linear 	
Time:	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:314:	
TTACAGAGAA CATATGCACA CTANNNNGAT CTCACAATTA TCAACAATGA AATTNATGAG	60
TTACAGAGAA CATATGCACH OTTAGAG CTCGTGTGCA CAGCCCCACA GTGGGTCCCT ACAATCAGAC ATCTGGNGGA AGCTGTTGAG CTCGTGTGCA CAGCCCCACA GTGGGTCCCT	120
ACAATCAGAC ATCTGGNGGA AGCIGITANG OF A MANUSTREES CATAACTGGG AGCACCTCAT	180
GTCTCCTGGG NCTATTAGGN CTNTCCCCAG ATATCTGGGG CATAACTGGG AGCACCTCAT	240
TTGTGGAAAA GCCTCTTTGT TATCGGGCTT GTGTCAGCAG GTCATGGTCC CTAGAGACTA	300
CCTAGTTGTT AGTGTTGACC TACATTTGAT AATTAATTGT CAGTTNCNAN TAGTTANGGG	323
GGGGGAAAAA NCATTTACAC ACT	323
(2) INFORMATION FOR SEQ ID NO:315:	
 (i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 391 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: double (D) TOPOLOGY: linear 	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:315:	60
GGCANGAGGN GCCCGCGGGA TTGTTCAACC GCGCCGTGAG CCGGCTGAGC AGGAAGCGGC	120
CGCCGTCAGA CATCCACGAC AGCGATGGCA GTTCCAGCAG CAGCCACCAG AGCCTCAAGA	180
GCACAGCCAA ATGGGCGGNC ATCCCTGGAG AATCTGCTGG AAGACCCAGA AGGCGTGAAA	
AGATTTAGGG AATTTTTAAA AAAGGAATTC AGTGAAGAAA ATNTTTTGTT TTGGCTAGCA	240
TGTGAAGATT TTAAGGAAAA TNNCAAGGTT AAGACGCNGA TGCAGGAAAA GGCAAAGGNG	300
GTTCTACATG ACCTTTTTNT TCCAGCAAGG GCCTTCNTCA CAGGTCAACG TTGTAGGGGG	360
COLAMBREC CETTCAACNG GAAAGNTTCC T	391

(2) INFORMATION FOR SEQ ID NO:316:

- (i) SEQUENCE CHARACTERISTICS:
 - (A) LENGTH: 355 base pairs
 - (B) TYPE: nucleic acid
 - (C) STRANDEDNESS: double
 - (D) TOPOLOGY: linear

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:316:

A A A C A C C C C T G	AGGAGGTTCC	GAGGCTCAAA	GGAGGGGAAG	GAGCCCCGAG	GAGGCTCTGN	6,0
					CACTCAGGAT	120
						180
					TGCNACCTGC	240
					GAGAGTNAAG	
GCCTGCAAGA	GGGNAAGCGG	AGACAAGGAG	GGTGTCCAGG	GCTAGGGAGT	NCCGGTTGAA	300
				GACAAAACAA		355

(2) INFORMATION FOR SEQ ID NO:317:

- (i) SEQUENCE CHARACTERISTICS:
 - (A) LENGTH: 465 base pairs
 - (B) TYPE: nucleic acid
 - (C) STRANDEDNESS: double
 - (D) TOPOLOGY: linear

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:317:

			~~~~~~~~~~	CACCCCCGAG	GAGGCTCTGN	. 60
AAACAGGCTG	AGGAGGTTCC	GAGGCTCAAA	GGAGGGGAAG	GAGCCCCCIIC		
ANTTGATGTC	ACTTAGGTCC	AGGGCATCCN	TGGAAGGAGA	GAGTAGTGAC	ACTCAGGATC	120
					TGCACCTGCT	180
					AGAGTNAAGG	240
						300
CCTGCAGNAG	GGNAGCGGAG	ACAAGGAGGG	TGTCCAGGGC	TAGGGAGTNC	CGGATGAAAC	
					GCCACATTCA	360
						420
GGNCATTAAA	AATTNGTGCA	TTTGAAGCAG	CATTIGACAG	IIIMM	TTCCTTTGNT	
GNATTCCAGG	CCCTTTTTCT	TTTAAACAAN	GGATTTGGGG	CATTT		465

### (2) INFORMATION FOR SEQ ID NO:318:

- (i) SEQUENCE CHARACTERISTICS:
  - (A) LENGTH: 336 base pairs
  - (B) TYPE: nucleic acid
  - (C) STRANDEDNESS: double
  - (D) TOPOLOGY: linear

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:318:	
TGACCAAGCT TCGGGANGAT GGGCAGGGAG AAATGCCACC ANTACTGGCC AGCAAAGCGC	60
TTCTGCTCGC TAACCANTAC TTTTTTGTTA ACCCGATGGC TGANTACAAC ATGCCCCATT	120
TTCTGCTCGC TAACCANTAC TTTTTTGTTA ACCCGATGGC TOLUMNIA CAAGGAACAA	180
ATATCCTGCT TGANTTTCCA AGGTCACGGG ATGCCCGGGA ATGGGCAGTG CAAGGAACAA	240
TCCGGGCAGT TCCANTTGCA NAGACTGGCC AGAGCAGGGC GTGCCCAAGA ANAGGCGAAG	300
GGAATTGCAT TGANCTTCAT CGGGGCAGGT GCNATAAGAN CCCAAGGAGC CAGTTTTGGG	336
ACCAGGATGG GGCCTATNCA CGGGTGGCAC TGCANT	330
(2) INFORMATION FOR SEQ ID NO:319:	
(i) SEQUENCE CHARACTERISTICS:  (A) LENGTH: 354 base pairs  (B) TYPE: nucleic acid  (C) STRANDEDNESS: double  (D) TOPOLOGY: linear	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:319:	60
GGCACGAGGT TATTTTTAC TGGATATTGC CTTTNTNCTT TTNCTTGGTG CTGCCTTGTT	120
ATACTTTCTC TTGTCTTGGG TGACAAAATT TATCTACAGA NNAATCAAAA GTTTGTGGTC	180
TAGAAATAAG CATAGCACAG TTAATGGGAC ATTACCACAA TGGAATCCTC AATGGCAAGT	
ACANAAGAAA TGGCCATATT AAACATGAAA AGAAAGTGGA AATGAGCCAA CAGCCCAGGT	240
GATAGNATAA ATTGGTTCAC TCATTGAATT TTTATTGCCC ATTATTTNGT CTAACAGCTA	300
CTTAAAGGTA AAACCATCCG TNAAACCATT CTNACCAGGC CCTTTNGGGG TCCN	354
(2) INFORMATION FOR SEQ ID NO:320:	
<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 345 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
200 TD MO-220.	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:320:	60
GTGTTCGANT GGAACATGCT CAAATTTGGT GCCAGCCGGG CCGCCGATGA CGCCGAGCGG	120
GAAGNCCAGG GACCGAAAGG AGCGGCTGAA ACACTCGCGG AACCCGGCTA CCCGNGGCCT	180
CCCTTCCACA GCCTCCGGCC GCCTGCGGGG GAACGCAGAA GTGGCTCCCC NCANACCCCT	
TNACCCCTAC CTTCANACAC GGNTTAACAN CTTCCCCCCG GCCCGTTTTC CGGCATNGGA	24

GAGAGAGCGG AAAGTGAAGT TATGCGGGNT GCAACCGGGG GGGGCCCCCG TTAAAAACATT	300
	345
TTCCTTGGTT NCGAACCTTA ANAGGNCCGA CAAAGATTAN CTTTT	
(2) INFORMATION FOR SEQ ID NO:321:	
<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 376 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:321:	
(xi) SEQUENCE DESCRIPTION. SEQ 12 NOTE: CCACTGGTCT GTTGTACAGT	60
GGCACGAGGG AAGGTGAAGA AAACGGAGAT AATACTATTT CCACTGGTCT GTTGTACAGT	120
GAGGCTGACA GATGCCCAAT ATGTCTTAAT TGTCTATTAG AAAAGGAAGT TGGTTTTCCA	180
GAAAGCTGTA ATCATGTCTT CTGTATGACT TGTATTCTTA AATGGGCAGA GACACTGGCT	
TCATGTCCTA TTGACCGTNA AACCTTTTCA GGCAGTGTTT AAATTCAGTG CATTGGGAAG	240
GTTATGTTAA GGTTCCAAGT AAAAAAACAG CTGAGGGGAA ACAAAAGNCC AGGAAAAATG	300
GAAAACTCCT TTGGGGAAAC AGGTCTCCNG TCCNGGAAAA TTTCTTAAAA GGCTGTTTTA	360
	376
GGGNGGAAAA GNCCCT	
(2) INFORMATION FOR SEQ ID NO:322:	•
<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 437 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:322:	
AATGATGAGT TCTATACTAA ACAAGATGTA ATTATTACAG CATTAGATAA TGTGGAAGCC	60
AGGAGATACG TNGACAGTCG TTGCTTAGCA AATCTAAGGC CTCTTTTAGA TTCTGGAACA	120
ATGGGCACTA AGGGACACAC TGAAGTTATT GTACCGCATT TGAACTGAGT CTTACAATAG	180
ATGGGCACTA AGGGACACAC IGAAGTTTT TOTAL TAGAAATCCTT TCCAGCTGCT TCATCGGGAT CCCCCAGAAG AGGAAATACC ATTTGTACTC TAAAATCCTT TCCAGCTGCT	240
TCATCGGGAT CCCCCAGAAG AGGAAATACC ATTOMOGO AAGTTNCCTT TTCCCACAAA	300
ATTGAACATA CCATACAGTG GGGCAAGAGA TAAGTTTTGA AAGTTNCCTT TTCCCACAAA	360
CCTTCATGTT TAACAAATTT TGGGCAANCN NTTCATCTGC AGGAGGAGTC TTACAGAGGT	420
TCCGGGTGGG NCANATTTGG GANGGNTTTT TCAAGTTTTA AAGGTNCTTT GGCCGGGGCC	437
CGGGAATTGG TCCCCGT	43/
(2) INFORMATION FOR SEQ ID NO:323:	

(i) SEQUENCE CHARACTERISTEE (A) LENGTH: 320 base pairs	
(R) TYPE: nucleic acid	
(C) STRANDEDNESS: double (D) TOPOLOGY: linear	
(D) TOPOLOGI. IIIIOU	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:323:	
AATGNTGAGA TCTATACTAA ACAAGATGTA ATTATTACAG CATTAGNTAA TGTGGNAGCC	60
ACGNGATACG TAGACAGTNG TTGCTTAGCA AATCTAAGGC CTCTTTTAGA ATCTGGANCA	120
ATCCCCACTA AGGGACACAC TNCAAGTTAT TGTCCCNCAT TTNCCTGGNG TCTTCNCAAN	180
ACTICATION GITCOCCCAG AAGCGGGANA TCACNTTTGG GTACTCTAAA AATCCTTTTC	240
CAGGTGCTTT TNGAACNTGN CCCTAACATG GGGCAAGAGA TAAGTTTNAA AGTTCCTTTT	300
·	320
TCCCACAAAC CTTNTTTTTT	
(2) INFORMATION FOR SEQ ID NO:324:	
<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 409 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:324:	
GCACGAGCT GTCCTGACCC TNAGGCCTAT GCTCAGTCCA TCGCAGACGN CCGGNTCGTG	60
TTTGAAATGG GCACCGAGCT GGGTCACAAG ATGCACGTNC TGGGACCTTG GTGGTGGCTT	120
CCCTGGNCAC AAAAGGGGCC AAAGTGAAGA TTTGAAGAGA TTGCTTCCGT GAATCAACTC	180
AGCCTTGGAC CTGTACTTCC CAGAGGGCTG TGGCGTGGGA CATCTTTGCT GAGCTGGGGC	240
CCTTACTACG TGAACCTCGG CCTTCACTGT GGGÇAGTCAG CATCATTGCC AAGAAAGGAG	300
GTTCTGCTTA GACCAGCCTG GGCAGGGAGG AGGNAAAATG GTTTCCANCT CCAAGACCAT	360
CGTGTTACCA CCTTGNATGA GGGCGTGTAT GGGATCTTTC AANTCATNC	409
(2) INFORMATION FOR SEQ ID NO:325:	
<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 192 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	

A CACGTACT	60
AATGTGATGG TGTATGTTGG GATTCCCATC GGGGAGGGTG CTCATNAATG AAGAGGTACT	120
CAAGACAATT NACGAGGAG ATGCCGATGA GGTGACGAAG CAGAGGATTC ATGATGGAAA	
AAAGAAGCCA GGTGCTTTNT NGCACATCTT TNCAGCCAAG GATGCAGAGA AGATCCNNGA	180
GCTGCTCCGA AA	192
(2) INFORMATION FOR SEQ ID NO:326:	
<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 408 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:326:	
AGCTCCGCAG GCACTNCANT AAAAGCCTGA CCCAAACATT TGGAGATGAC AAGTACTCAC	60
TGGCCCGCAA GNGGTGCTCA CCAACATGTG CTCCCGGNCC ATGCAGATGG CACTGTACTT	120
CTGCTCGGGG CTGCTGCAGG GACCCAGCGC ATTCCGGCAC TACGCGCTCA ATGTGCCCCT	180
GTACACACAC TTCACCTCGC CCATCCGCCG CTTTGCCGAC GTCCTGGTGC ACCGCCTCCT	240
GGCTGCCGCG TTANGCTTTT AGGGGAGCGA TTAGACATGG TCGCCTGGTN ACCCTGCAGA	300
AACAGGCGGG ACCATGTTAA CGGACCGTCG GCATGGGTNC CCAAGCGNGT GCAGGAGTTT	360
CAGTTACCAT TTTNTTNTTT GGTTGTTTTT GGGTTCAAGG ANGAGTGG	408
(2) INFORMATION FOR SEQ ID NO:327:	
<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 392 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
GRO ID NO.327.	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:327:	60
GGCACGAGTA CATGGCTACA TTTTATGAAT TCTTCAATGA GCAGAAATAT GCTGATGCGG	120
TGAAGAACTT CTTGGATCTG ATTTCGTCCT CGGGGAGAAG AGACCCCAAG AGTGTTGAGC	180
AGCCCATCGT GCTTAAAGAA GGGTTCATGA ATCAAGAAGG GCCCAAGGAC GGAAGCGCTT	240
TGGGATGAAG AATTTTTAAG AAGAGATGGT TTCGCTTGAC CAACCATGGA ATTTACCTAC	300
CACAAAAGCA AAGGGGACCA GCCTCTCTAC AGCATTCCCA TCGAGGAACA TCCTGGGCAG	360
TGGAGGAAGC TNGAGGAGGG AGTGTTTTCA AAATGGAAAA ACNTGTTTCC AGGTNCATTC	392
CAGTCCAGAG CGTTGNNCTG TTACATCCAG GG	394

### (2) INFORMATION FOR SEQ ID NO:328:

(i) SEQUENCE CHARACTERISTICS:

(A) LENGTH: 505 base pairs

(B) TYPE: nucleic acid

(C) STRANDEDNESS: double

(D) TOPOLOGY: linear

## (xi) SEQUENCE DESCRIPTION: SEQ ID NO:328:

GGC	ANAGGGG	AGCTGCCTGG	ACCAGCCCAA	TGGTTATAAC	TCCCACTGCC	CGCATGGTTG	60
GGT	GGGAGCA	AACTGTGAGA	TCCACCTCCA	ATGGAAGTCC	GGGCACATGG	CGGAGAGCCT	120
		,			GCCCTCTGCG		180
CCI	TATGCTG	ATCATCCTGA	TCGTGGGGAT	TTGCCGCATC	AGCCGCATTG	AATACCAGGG	240
TTT	TTCCAGG	GCCAGCCTAT	AAGGAGTTCT	ACAACTGCCG	CAGCATTCGA	CAGCGAGTTT	300
				•	TTGGAAAGAA	•	360
				_		CCTGNTTGAC	420
						TGGGTTATTT	480
		TGGGGTTTTT	•				505

### (2) INFORMATION FOR SEQ ID NO:329:

- (i) SEQUENCE CHARACTERISTICS:
  - (A) LENGTH: 455 base pairs
  - (B) TYPE: nucleic acid
  - (C) STRANDEDNESS: double
  - (D) TOPOLOGY: linear

### (xi) SEQUENCE DESCRIPTION: SEQ ID NO:329:

GGCAGAGCCA	GAACCTACTG	GACCGGGATG	TTACCTCCAA	GTCCGACCCC	TTCTGTGTCC	60
TCTTTACAGA	GAACAATGGC	AGATGGNTCG	AGTACGACAG	GACAGAAACC	GCGATCAACA	120
ACCTCAACCC	CGCCTTCTCC	AAGAAGTTCG	TGCTTGACTA	CCACTTCGAG	GAGGTACAGA	180
AGCTCAAGTT	CGCGCTCTTT	GACCAGGACA	AGTCCAGTAT	GCGGCTGGAC	GAGCATGAAC	240
TTCCTGGGCC	AGTTCTCCTG	CAGCCTGGGN	ACGATTCGTT	TCCAGCAAGA	AGATCANTAG	300
		ACAAGCCTGC				360
					CAAGAAGGTT	420
		TTTGGGAAGT				455
TOTALCTACION	11000					

(2) INFORMATION FOR SEQ ID NO:330:

(A) LENGTH: 434 base pairs

(B) TYPE: nucleic acid (C) STRANDEDNESS: double (D) TOPOLOGY: linear (xi) SEQUENCE DESCRIPTION: SEQ ID NO:330: CCTTTNAGGA TGCTCCTACA GCAGCTGCCT AATACTTTNA GTTGCAGTNA GATGTTGGCT GGGACCACAG TCATCTAAGG NTACTGCTCA AGATGGCTGT TGTNTNGNAA ACTCAGCTGG 120 GGCTACTGAT CAGAGCACCT GNCATGTGGC TGTCNAGCAA GGCAATGTTA AGGAACATGG 180 GTGACATTTG GAGGTCAAAT TTCAGATGAG GTTGCTGAAC GGCTGATGAC CATCGCCTAT 240 GAAAGTGGTG TTAACCTCTT TGAATACTGC CGAAGTNTTA TGCTGCTGGG AAAGGCTGAA 300 GTGATTTCTG GGGAGCCATC CTTCAGGAGG AAAGGCTGGA GGAGGTTCCA TTTGGTTCAT 360 AAACAACCAA ACTTTACTGG GGTTGGNAAA GCNTGNAACC NGAAGAGGGG TTNTTAAGAA 420 434 AGCCTTTTTT TTGA (2) INFORMATION FOR SEQ ID NO:331: (i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 242 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: double (D) TOPOLOGY: linear (xi) SEQUENCE DESCRIPTION: SEQ ID NO:331: GANAGACCCT TTAAGTNTCC TGANTNTGGA AAAGNCTTCA AAGAAAAGTC AACTGTCATC 60 ATACATTACA GGACTCACAC AGGTGAAAAA CCTTATGAAT GTAATGATTG TGGAAAAGCC 120 TTCACTCAGT AAGTCCAACC TCATTGGTCC ATCCAGAAAA CCCACACTGG TGAGAAAACC 180 TATGGTTGCN CTTAAATNTG GAGTNTCTTT ACATTACAGA AGCTTGATCC TTAGTTGATN 240 242 NC (2) INFORMATION FOR SEQ ID NO:332: (i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 351 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: double (D) TOPOLOGY: linear

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:332:

TTATTGAGAA TCTCTTTGCA TTAGCTGGTG ATGAAGAACC AGAGGTACGG AAAAATGTGT	60
GCCGAGCACT TGTAATGTTG CTCGAAGTTC GAATGGATNG CCTGCTTCCT CACATGACAT	120
AATATAGTTG AGTACATGCT ACAGAGGACT GAAGATCAAG ATGAAAATGT GGCTTTAGNA	180
GNCTGTGAAA TTTTGGCTAA CTTTAGCTGA ACAGCCANTA TGCAAAGATG TACTAGTAAG	240
GCATCTTCCT AAGTTTGATT CCTGTGTTNA GTGAATGGGC ATGAAGTAAC TTNGGACATN	300
GATATTTATC CCTACTTAAA GGGTNGATGT TTNGAAGGAA GTCGGAAACG G	351
(2) INFORMATION FOR SEQ ID NO:333:	
<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 501 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
	-
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:333:	60
GGCACGAGCT ATGCCTTAAA ACTNCCGAGC CCCACTCCAT GTAATAGGAT TCCTGGGCTT	120
CCTCAATGGG GGTTCATGTN CTTGGACTGC GGGCCCTCAG TCCTTAACTG GAAAGTGAAC	180
CGTCCACTGC CCCATGGAGC CCATCTGGAC ACAGCACAGC	240
GCTCTGTTTC CAAGCCTGGG GAGGGGTTCC TCAGTGCCAG GAGTTGGGGA CAGGCTGGGG	300
ATCCAAGCTG CTTGAGGGGG TCAACCTTGG GACCAAATTG CCTTAAAGCC TGTGGTTAAA	360
AGGGCTTNAG GGGAAGGTTA ATGGGGCCAC NTGCTGGGAA GTTGGCCAGT TGCCCGGTTG	420
GCAATGGTGT GAATNTTTTG GGCCNTGTTC CCTGCCCTGG GGTTCCANCA AGTTNATCCC	480
TCCTTNTTNT NTNTNCTTTG GGGTTTGTTC CNGTNGTCAT NGGTTAATNT CCCCTAGTTT	501
CAAGTTTTAC ATAGGGCCTC C	301
(2) INFORMATION FOR SEQ ID NO:334:	
<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 271 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:334:	
GGCACAGTAG AAATGGAAAG AAGGNGGGGA TTGTGGTGGC TTGTGCCCAG ACTGGAGCCT	60
GGANTAATGG CAGCTCAGTC AAGGAGCAGA CCTGGNACTG GAACAGNTTG AAAACCAGNG	120
TTTTGTACTT TGAGAGGAGA GATTCCANGC TGCTTCTTGA ATCAATCCAA NTTTCATTTA	180

CAGCTCTNGG AACACTTTGG GNGCTGATTT GTCTCTTTAG GGGGNCATCC CCAACATGGT	240
TGAATTCCAA CTNCTTCAGA TCTTGNGGCT T	271
·	
(2) INFORMATION FOR SEQ ID NO:335:	
(i) SEQUENCE CHARACTERISTICS:	
(A) LENGTH: 203 base pairs (B) TYPE: nucleic acid	
(C) STRANDEDNESS: double	
(D) TOPOLOGY: linear	
	•
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:335:	
TGTAAATTTA TTGTGATATT TTANGGTTTT CCCCCCTTTA TTTNCCGTAG TTGTATTTTA	60
AAAGATTCGG CTCTGTATTA TTTGAATCAG TCTGCCGAGA ATCCATGTAT ATATTTGNAA	120
CTAATATCAT CCTTATGAAC AGGTACANTT TCAACTTAAG TTTNNACTCC ATTATGNCAC	180
CTAATATCAT CCTTATGAAC AGGTACANTT TCAACTTARG TTERMS	203
AGTTTGAGGA TAAATGAAAT TTT	
(2) INFORMATION FOR SEQ ID NO:336:	
(i) SEQUENCE CHARACTERISTICS:	
(A) LENGTH: 304 base pairs	
(B) TYPE: nucleic acid (C) STRANDEDNESS: double	
(D) TOPOLOGY: linear	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:336:	
(xi) SEQUENCE DESCRIPTION. DEE TOTAL MONACATATO AGCATTGGAC	. 60
GGCACGAGNG CAGACTATTG CCTCAAGGAA CAGTCATTTT TGNAGATATC AGCATTGGAC	120
ATTTTGAAGG AACTNGAACC AAAGTTATCC CAAAAGTACC CAGTAAAAAC CAGAATGAAC	
CCATTGGGCA GGACGCATCA AAGTTGACTT TGTGAATCCC TAAAGAACTT CCCTTTGGAG	180
ACAAAGATGA CGAAATCCAA GGTGGACCCT GCTGGGAAGG TGACCATGTT AGGTTTAAAT	240
ACAAAGATGA CGAAATCCAA GGTGGAGAGAGAGGGGGGGGGAAACCCAATA TAGNAAGTTT NATTTNCAAC AGACCGACGT GGNCAAATTT AGGAGCGGGG CANCCCAATA TAGNAAGTTT	300
NATTINCAAC AGACCGACGT GGNCAAATTT ACCASSISSISSISSISSISSISSISSISSISSISSISSISSI	304
CTGT	
(2) INFORMATION FOR SEQ ID NO:337:	
(i) SEQUENCE CHARACTERISTICS:	
(A) LENGTH: 459 base pairs	
(B) TYPE: nucleic acid (C) STRANDEDNESS: double	
(D) TOPOLOGY: linear	

⁽xi) SEQUENCE DESCRIPTION: SEQ ID NO:337:

TGAAGAATGT GCAGCCCAGC GGCTCCTTCA AGATTCGGGC CATTGGGCAT TTCTGCCAGG  AGATGGCCAA GAAGGGATGC AGACACCTGG TGTGCCTTCT TNAGGGGGTA ATGCGGGCAT  AGCACCTTCC CTGCCANGTG GGTGCCAGAG GCATTCCTGC CACCATCGTG CTTCCCCGAA  AGCACCTTCC CTGCCANGTG GGTGCCAGAG GCTTGCAAGG GGGAGGGGGN CCNAGGGTTC  CAGTTGACTG GNAAAGGTTT TTGGAACGAG GNCCATTTT  (2) INFORMATION FOR SEQ ID NO:338:  (i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 415 base pairs (B) TTPE: nucleic acid (C) STRANDEDNESS: double (D) TOPOLOGY: linear  (xi) SEQUENCE DESCRIPTION: SEQ ID NO:338:  GGCACGAGAA AAATTGGAAG AGAAAATACT ATTCTGGGTT GGGTATCCTT AAGGATTAGA  ACCGCAGGAC TCCTCCAAGT CTGTAGGCCT ACTTTCTCTA TGAGAATCGT NATGTTAGTC  CATCTAACTG AACCTCATCT CTCTTTCAAT GCAGGTATCA CTACCATTAA AGTTAACATT  CGTAAATGCC AATTCCCTGG GNGAGGGCTT CCATTGCTGG ACCTGCGATG TCCGGTGNTG  NGGCACCCTA CAGTCCTANT TGGACTGAAC AGGCCTGATG GAGGTTGTGG CTGGNCTCAG  TTACACCTAA GAAGNTTTGG GGCAAGGTTC ATTCTNNTGC TTTTAAAAAG TGGCATGGAA  CCTGTAGTGGT TINAAACATT CATNTNGTTT AACAGGGGTC GTAAGCCTGG TTTGG  (2) INFORMATION FOR SEQ ID NO:339:  (i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 162 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: double (D) TOPOLOGY: linear  (xi) SEQUENCE DESCRIPTION: SEQ ID NO:339:  TGGNCTNATT CCCCAGCATG AAGGCCCTGA GCCCGGTNCC CGGNTGCAAC NAAGGCGGTG  TCCTGCCTGT GGGAAAGCAT CTGCCCATCG CCCGGGGCCG AGGGAAAGGG CCCGGNAAGC  TCCTGCCCTGT GGGAAAGCAT CTGCCCATCG CCCGGGCCG AGGGAAAGGG CCCGGNAAGC  TCCTGCCCTGT GGGAAAGCAT CTGCCCATCG CCCGGGCCG AGGGAAAGGG CCCGGNAAGC  TCCTGCCCTGT GGGAAAGCAT CTGCCCATCG CCCGGGCCG AGGGAAAGGG CCCGGNAAGC		•
ACCTCTTTTG GAGAGNTGGG CGCTGTCCCA GGTGGCGGC ATGCCTGTT TCCTCAAGTN 180 TGAAGAATGT GCAGCCCAGC GGCTCCTTCA AGATTCGGG CATTGGCAT TTCTGCCAGG 240 AGATGGCCAA GAAGGGATGC AGACACCTGG TGTGCCTTCT TNAGGGGGTA ATGCGGGCAT 300 CGCTGCTGCC TATGCNTGCT AGGAAGTTGG GCATTCCTGC CACCATCGTG CTTCCCCGAA 360 AGCACCTTCC CTGCCANGTG GGTGCCAGAG GCTTGCAAGG GGGAGGGGGN CCNAGGGTTC 420 CAGTTGACTG GNAAAGGTTT TTGGAACGAG GNCCATTTT 459  (2) INFORMATION FOR SEQ ID NO:338:  (i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 415 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: double (D) TOPOLOGY: linear  (xi) SEQUENCE DESCRIPTION: SEQ ID NO:338:  GGCACGAGAC TCCTCCAAGT CTGTAGGCCT ACTTCTCTA TGAGAATCGT NATGTTAGTC 120 CATCTAACTG AACCTCATCT CTCTTTCAAT GCAGGTATCA CTACCATTAA AGTTAACATT 180 CGTAAATGCC AATTCCCTGG GNGAGGGCTT CCATTGCTGG ACCTGCGATG TCCGGTGNTG 240 NGGCACCCTA CAGTCCTANT TGGACTGAAC AGGCCTGATG GAGGTTGTGG CTGGNCTCAG 300 ACCGCAGAG TAGCCTANT TGGACTGAAC AGGCCTGATG GAGGTTGTGG CTGGNCTCAG 300 ACCGCAGAG TAGCTCATAT TGGACTGAAC AGGCCTGATG TCCGGTGNTG 240 NGGCACCCTA CAGTCCTANT TGGACTGAAC AGGCCTGATG TCCGGTGNTG 240 CTTAACCTAA GAAGNTTTGG GGCAAGGTTC ATTCTNNTGC TTTTAAAAAG TGGCATGGAA 360 CTGTAAGTGGT TINAAACATT CATNTNGTTT AACAGGGGGT GTAAGCCTGG TTTGG 415  (2) INFORMATION FOR SEQ ID NO:339:  (i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 162 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: double (D) TOPOLOGY: linear  (xi) SEQUENCE DESCRIPTION: SEQ ID NO:339:  TGGNCTNATT CCCCAGCATG AAGGCCCTGA CCCGGGTCC CGGNTGCAAC NAAGGCCGTG TCCTGCCTGT GGGAAAGCAT CTGCCCATCG CCCGGGCCC AGGGAAAGGG CCCCGGNAACC 120 TCCTGCCTGT GGGAAAGCAT CTGCCCATCG CCCGGGCCC AGGGAAAGGG CCCCGGNAACC 120	GCACGAGCT GGGGCCACGC TGGTCTGGGA ATAGTTGGGC AGGGAGGCTG TCTACCTGGT	60
ACCTCTTTTG GAGAGNTGGG CGCTGTCCCA GGTGGCGGC ATGCCTGTT TCCTCANN TGAAGAATGT GCAGCCCAGC GGCTCCTTCA AGATTCGGG CATTGGGCAT TTCTGCCAGG AGATGGCCAA GAAGGGATGC AGACACCTGG TGTGCCTTCT TNAGGGGGTA ATGCGGGCAT AGCACCTCC CTGCCANGTG GGTGCCAGAG GCTTGCAAGG GGAAGGGGG CTTCCCCGAA AGCACCTTCC CTGCCANGTG GGTGCCAGAG GCTTGCAAGG GGGAGGGGGG CCNAGGGTTC AGGCACCTTCC CTGCCANGTG GGTGCCAGAG GCCTGCAAGG GGGAGGGGGG CCNAGGGTTC AGCACCTTCC CTGCCANGTG GGTGCCAGAG GCCTGCAAGG GGGAGGGGGG CCNAGGGTTC AGCACCTTGCC GNAAAGGTTT TTGGAACGAG GNCCATTTT  (2) INFORMATION FOR SEQ ID NO:338:  (i) SEQUENCE CHARACTERISTICS; (A) LENGTH: 415 base pairs (B) TYPE: nucleic acid (C) STRANDEDENESS: double (D) TOPOLOGY: linear  (xi) SEQUENCE DESCRIPTION: SEQ ID NO:338:  GGCACGAGAGA AAATTGGAAG AGAAAATACT ATTCTGGGTT GGGTATCCTT AAGGATTAGA ACCGCAGGAC TCCTCCAAGT CTGTAGGCCT ACTTTCTCTA TGAGAATCGT NATGTTAGTC CATCTAACTG AACCTCATCT CTCTTTCAAT GCAGGATTCA CTACCATTAA AGTTAACATT 180 ACCGCAGGAC TCCTCCAAGT CTGTAGGCCT ACTTTCTCTA TGAGAATCGT NATGTTAGCT CATCTAACTG AACCTCATCT CTCTTTCAAT GCAGGATTCA CTACCATTAA AGTTAACATT 180 NGGCACCCTA CAGTCCTANT TGGACTGAAC AGGCCTGATG GAGGTTGTGG CTGGNCTCAG TTACACCTAA GAAGNTTTGG GGCAAGGTT CATTCTNTTGC TTTTAAAAAG TGGCATGGAA 360 CTGTAGTGGT TTNAAACATT CATNTNGTTT AACAGGGGTC GTAAGCCTGG TTTCG  (2) INFORMATION FOR SEQ ID NO:339:  (i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 162 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: double (D) TOPOLOGY: linear  (xi) SEQUENCE CHARACTERISTICS: (A) LENGTH: 162 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: double (D) TOPOLOGY: linear	CTCCAGAATG GACGGCCCTG TGGCAGAGCA TGCNANGCAG GAGCCCTTTN ACGTGGTNAC	120
TGAAGAATGT GCAGCCCAGC GGCTCCTTCA AGATTCGGG CATTGGGCAT TTCTGCCAGG  AGATGGCCAA GAAGGGATGC AGACACCTGG TGTGCCTTCT TNAGGGGGTA ATGCGGGCAT  300  AGCTGCTGCC TATGCNTGCT AGGAAGTTGG GCATTCCTGC CACCATCGTG CTTCCCCGAA  AGCACCTTCC CTGCCANGTG GGTGCCAGAG GCTTGCAAGG GGGAGGGGG CCNAGGGTTC  420  CAGTTGACTG GNAAAGGTTT TTGGAACGAG GNCATTTT  (2) INFORMATION FOR SEQ ID NO:338:  (i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 415 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: double (D) TOPOLOGY: linear  (xi) SEQUENCE DESCRIPTION: SEQ ID NO:338:  GGCACGAGNA AAATTGGAAG AGAAAATACT ATTCTGGGTT GGGTATCCTT AAGGATTAGA  ACCGCAGGAC TCCTCCAAGT CTGTAGGCCT ACTTTCTCTA TGAGAATCGT NATGTTAGTC  CATCTAACTG AACCTCATCT CTCTTTCAAT GCAGGTATCA CTACCATTAA AGTTAACATT  CGTAAATGCC AATTCCCTGG GNGGAGGCTT CACTTGCTGG ACCTGCGATG TCCGGTGNTG  NGGCACCCTA CAGTCCTANT TGGACTGAAC AGGCCTGATG GAGGTTGTGG CTGGNCTCAG  NGGCACCCTA CAGTCCTANT TGGACTGAAC AGGCCTGATG GAGGTTGTGG CTGGNCTCAG  TTACACCTAA GAAGNTTTGG GGCAAGGTTC ATTCTNNTGC TTTTAAAAAG TGGCATGGAA  (C) INFORMATION FOR SEQ ID NO:339:  (i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 162 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: double (D) TOPOLOGY: linear  (xi) SEQUENCE CHARACTERISTICS: (A) LENGTH: 162 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: double (D) TOPOLOGY: linear  (xi) SEQUENCE CHARACTERISTICS: (A) LENGTH: 162 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: double (D) TOPOLOGY: linear		180
AGATGGCAA GAAGGGATGC AGACACCTGG TGTGCCTTCT TNAGGGGGTA ATGCGGGCAT  GCGTGCTGCC TATGCNTGCT AGGAAGTTGG GCATTCCTGC CACCATCGTG CTTCCCCGAA  AGCACCTTCC CTGCCANGTG GGTGCCAGAG GCTTGCAAGG GGGAGGGGGN CCNAGGGTTC  420  CAGTTGACTG GNAAAGGTTT TTGGAACGAG GNCCATTTT  (2) INFORMATION FOR SEQ ID NO:338:  (i) SEQUENCE CHARACTERISTICS:  (A) LERGTH: 415 base pairs  (B) TYPE: nucleic acid  (C) STRANDEDNESS: double  (D) TOPOLOGY: linear  (xi) SEQUENCE DESCRIPTION: SEQ ID NO:338:  GGCACGAGNA AAATTGGAAG AGAAAATACT ATTCTGGGTT GGGTATCCTT AAGGATTAGA  ACCGCAGGAC TCCTCCAAGT CTGTAGGCCT ACTTTCTCTA TGAGAATCGT NATGTTAGTC  CATCTAACTG AACCTCATCT CTCTTTCAAT GCAGGTATCA CTACCATTAA AGTTAACATT  NGGCACCCTA CAGTCCTATT TGGACTGAAC AGGCCTGATG GAGGTTGTG CTGGNCTCAG  NGGCACCCTA CAGTCCTANT TGGACTGAAC AGGCCTGATG GAGGTTGTG CTGGNCTCAG  TTACACCTAA GAAGNTTTGG GGCAAGGTTC ATTCTNNTGC TTTTAAAAAG TGGCATGGAA  (C) INFORMATION FOR SEQ ID NO:339:  (i) SEQUENCE CHARACTERISTICS:  (A) LERGTH: 162 base pairs  (B) TYPE: nucleic acid  (C) STRANDENNESS: double  (D) TOPOLOGY: linear  (xi) SEQUENCE DESCRIPTION: SEQ ID NO:339:  TGGNCTNATT CCCCAGCATG AAGGCCCTGA GCCCGGTNCC CGGNTGCAAC NAAGGCGGTG  TCCTGCCTGT GGGAAAGCAT CTGGCCATCG CCCGGGGCCC AGGGAAAGGG CCCGGNAAGC  120  TCCTGCCTGT GGGAAAGCAT CTGGCCATCG CCCGGGGCCC AGGGAAAGGG CCCGGNAAGC	TGAAGAATGT GCAGCCCAGC GGCTCCTTCA AGATTCGGGG CATTGGGCAT TTCTGCCAGG	240
CECTECTEC TATECNITECT AGGAAGITEG GCAȚITCCTEC CACCATCGTE CITCCCCGAA 360 AGCACCTTCC CTGCCANGTE GGTGCCAGAG GCTTGCAAGG GGGAGGGGGN CCNAGGGTTC 420 CAGTTGACTE GNAAAGGTTT TTGGAACGAG GNCCATTTT 459  (2) INFORMATION FOR SEQ ID NO:338:  (i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 415 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: double (D) TOPOLOGY: linear  (xi) SEQUENCE DESCRIPTION: SEQ ID NO:338:  GGCACGAGNA AAATTGGAAG AGAAAATACT ATTCTGGGTT GGGTATCCTT AAGGATTAGA 60 ACCGCAGGAC TCCTCCAAGT CTGTAGGCCT ACTTTCTCTA TGAGAATCGT NATGTTAGTC 120 CATCTAACTG AACCTCATCT CTCTTTCAAT GCAGGTATCA CTACCATTAA AGTTAACATT 180 CGTAAATGCC AATTCCCTGG GNGGAGGCTT CCATTGCTGG ACCTGCGATG TCCGGTGNTG 240 NGGCACCCTA CAGTCCTANT TGGACTGAAC AGGCCTGATG GAGGTTGTG CTGGNCTCAG 300 TTACACCTAA GAAGNTTTGG GGCAAGGTTC ATTCTNNTGC TTTTAAAAAG TGGCATGGAA 360 CTGTAGTGGT TINAAACATT CATNTNGTTT AACAGGGGTC GTAAGCCTGG TTTGG 415  (2) INFORMATION FOR SEQ ID NO:339:  (i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 162 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: double (D) TOPOLOGY: linear  (xi) SEQUENCE DESCRIPTION: SEQ ID NO:339:  TGGNCTNATT CCCCAGCATG AAGGCCCTGA GCCCGGTNCC CGGNTGCAAC NAAGGCGGTG 661 TCCTGCCTGT GGGAAAGCAT CTGGCCATCG CCCGGGGCCC AGGGAAAGGG CCCCGGNAAGC 126	AGATGGCCAA GAAGGGATGC AGACACCTGG TGTGCCTTCT TNAGGGGGGTA ATGCGGGCAT	300
AGCACCTTCC CTGCCANGTG GGTGCCAGAG GCTTGCAAGG GGGAGGGGGN CCNAGGGTTC  CAGTTGACTG GNAAAGGTTT TTGGAACGAG GNCCATTTT  (2) INFORMATION FOR SEQ ID NO:338:  (i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 415 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: double (D) TOPOLOGY: linear  (xi) SEQUENCE DESCRIPTION: SEQ ID NO:338:  GGCACGAGANA AAATTGGAAG AGAAAATACT ATTCTGGGTT GGGTATCCTT AAGGATTAGA ACCGCAGGAC TCCTCCAAGT CTGTAGGCCT ACTTTCTCTA TGAGAATCGT NATGTTAGTC CATCTAACTG AACCTCATCT CTCTTTCAAT GCAGGTATCA CTACCATTAA AGTTAACATT CGTAAATGCC AATTCCCTGG GNGGAGGCTT CCATTGCTGG ACCTGCGATG TCCGGTGNTG NGGCACCCTA CAGTCCTANT TGGACTGAAC AGGCCTGATG GAGGTTGTG CTGGNCTCAG TTACACCTAA GAAGNTTTGG GGCAAGGTTC ATTCTNNTGC TTTTAAAAAG TGGCATGGAA CCTGTAGTGGT TTNAAACATT CATNTNGTTT AACAGGGGTC GTAAGCCTGG TTTGG  (1) SEQUENCE CHARACTERISTICS: (A) LENGTH: 162 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: double (D) TOPOLOGY: linear  (xi) SEQUENCE DESCRIPTION: SEQ ID NO:339:  TGGNCTNATT CCCCAGGATG AAGGCCCTGA GCCCGGTNCC CGGNTGCAAC NAAGGCGGTG TCCTGCCCTGT GGGAAAGCAT CTGGCCATCG CCCGGGGCCG AGGGAAAGGG CCCGGNAAGC 12		360
(2) INFORMATION FOR SEQ ID NO:338:  (i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 415 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: double (D) TOPOLOGY: linear  (xi) SEQUENCE DESCRIPTION: SEQ ID NO:338:  GGCACGAGNA AAATTGGAAG AGAAAATACT ATTCTGGGTT GGGTATCCTT AAGGATTAGA ACCGCAGGAC TCCTCCAAGT CTGTAGGCCT ACTTTCTCTA TGAGAATCGT NATGTTAGTC  CATCTAACTG AACCTCATCT CTCTTTCAAT GCAGGTATCA CTACCATTAA AGTAACATT  RGCACCCTA CAGTCCTANT TGGACTGAAC AGGCCTGATG GAGGTTGTG CTGGNCTCAG TTACACCTAA GAAGNTTTGG GGCAAGGTTC ATTCTNTGC TTTTAAAAAG TGGCATGGAA  CTGTAGTGGT TTNAAACATT CATNTNGTTT AACAGGGGTC GTAAGCCTGG TTTGG  (1) SEQUENCE CHARACTERISTICS: (A) LENGTH: 162 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: double (D) TOPOLOGY: linear  (xi) SEQUENCE DESCRIPTION: SEQ ID NO:339:  TGGNCTNATT CCCCAGGATG AAGGCCCTGA GCCCGGTNCC CGGNTGCAAC NAAGGCGGTG TCCTGCCTGT GGGAAAGCAT CTGGCCATCG CCCGGGGCCG AAGGAAAGGG CCCCGNAAGC  120  TCCTGCCCTGT GGGAAAAGCAT CTGGCCATCG CCCGGGGCCG AAGGAAAGGG CCCCGGNAAGC	AGCACCTTCC CTGCCANGTG GGTGCCAGAG GCTTGCAAGG GGGAGGGGGN CCNAGGGTTC	420
(i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 415 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: double (D) TOPOLOGY: linear  (xi) SEQUENCE DESCRIPTION: SEQ ID NO:338:  GGCACGAGNA AAATTGGAAG AGAAAATACT ATTCTGGGTT GGGTATCCTT AAGGATTAGA ACCGCAGGAC TCCTCCAAGT CTGTAGGCCT ACTTTCTCTA TGAGAATCGT NATGTTAGTC 120 CATCTAACTG AACCTCATCT CTCTTTCAAT GCAGGTATCA CTACCATTAA AGTTAACATT 180 CGTAAATGCC AATTCCCTGG GNGGAGGCTT CCATTGCTGG ACCTGCGATG TCCGGTGNTG NGGCACCCTA CAGTCCTANT TGGACTGAAC AGGCCTGATG GAGGTTGTGG CTGGNCTCAG TTACACCTAA GAAGNTTTGG GGCAAGGTTC ATTCTNNTGC TTTTAAAAAG TGGCATGGAA  CCTGTAGTGGT TTNAAACATT CATNTNGTTT AACAGGGGTC GTAAGCCTGG TTTGG 415  (2) INFORMATION FOR SEQ ID NO:339:  (i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 162 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: double (D) TOPOLOGY: linear  (xi) SEQUENCE DESCRIPTION: SEQ ID NO:339:  TGGNCTNATT CCCCAGCATG AAGGCCCTGA GCCCGGTNCC CGGNTGCAAC NAAGGCGGTG TCCTGCCTGT GGGAAAGCAT CTGGCCATCG CCCGGGGCCG AGGGAAAGGG CCCGGNAAGC	·	459
(i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 415 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: double (D) TOPOLOGY: linear  (xi) SEQUENCE DESCRIPTION: SEQ ID NO:338:  GGCACGAGNA AAATTGGAAG AGAAAATACT ATTCTGGGTT GGGTATCCTT AAGGATTAGA 60 ACCGCAGGAC TCCTCCAAGT CTGTAGGCCT ACTTTCTCTA TGAGAATCGT NATGTTAGTC 120 CATCTAACTG AACCTCATCT CTCTTTCAAT GCAGGTATCA CTACCATTAA AGTTAACATT 180 CGTAAATGCC AATTCCCTGG GNGGAGGCTT CCATTGCTGG ACCTGCGATG TCCGGTGNTG 240 NGGCACCCTA CAGTCCTANT TGGACTGAAC AGGCCTGATG GAGGTTGTG CTGGNCTCAG 300 TTACACCTAA GAAGNTTTGG GGCAAGGTTC ATTCTNNTGC TTTTAAAAAAG TGGCATGGAA 360 CTGTAGTGGT TTNAAACATT CATNTNGTTT AACAGGGGTC GTAAGCCTGG TTTGG 415  (2) INFORMATION FOR SEQ ID NO:339:  (i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 162 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: double (D) TOPOLOGY: linear  (xi) SEQUENCE DESCRIPTION: SEQ ID NO:339:  TGGNCTNATT CCCCAGCATG AAGGCCCTGA GCCCGGTNCC CGGNTGCAAC NAAGGCGGTG 60 TCCTGCCTGT GGGAAAGCAT CTGGCCATCG CCCGGGGCCG AGGGAAAGGG CCCCGGNAAGC 12.		
GGCACGAGNA AAATTGGAAG AGAAAATACT ATTCTGGGTT GGGTATCCTT AAGGATTAGA 60  ACCGCAGGAC TCCTCCAAGT CTGTAGGCCT ACTTTCTCTA TGAGAATCGT NATGTTAGTC 120  CATCTAACTG AACCTCATCT CTCTTTCAAT GCAGGTATCA CTACCATTAA AGTTAACATT 180  CGTAAATGCC AATTCCCTGG GNGGAGGCTT CCATTGCTGG ACCTGCGATG TCCGGTGNTG 240  NGGCACCCTA CAGTCCTANT TGGACTGAAC AGGCCTGATG GAGGTTGTGG CTGGNCTCAG 300  TTACACCTAA GAAGNTTTGG GGCAAGGTTC ATTCTNNTGC TTTTAAAAAG TGGCATGGAA 360  CTGTAGTGGT TTNAAACATT CATNTNGTTT AACAGGGGTC GTAAGCCTGG TTTGG 415  (2) INFORMATION FOR SEQ ID NO:339:  (i) SEQUENCE CHARACTERISTICS:  (A) LENGTH: 162 base pairs  (B) TYPE: nucleic acid  (C) STRANDEDNESS: double  (D) TOPOLOGY: linear  (xi) SEQUENCE DESCRIPTION: SEQ ID NO:339:  TGGNCTNATT CCCCAGCATG AAGGCCCTGA GCCCGGTNCC CGGNTGCAAC NAAGGCGGTG 60  TCCTGCCTGT GGGAAAGCAT CTGGCCATCG CCCGGGCCG AGGGAAAGGG CCCGGNAAGC 120	<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 415 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
GGCACGAGNA AAATTGGAAG AGAAAATACT ATTCTGGGTT GGGTATCCTT AAGGATTANT  ACCGCAGGAC TCCTCCAAGT CTGTAGGCCT ACTTTCTCTA TGAGAATCGT NATGTTAGTC  CATCTAACTG AACCTCATCT CTCTTTCAAT GCAGGTATCA CTACCATTAA AGTTAACATT  180  CGTAAATGCC AATTCCCTGG GNGGAGGCTT CCATTGCTGG ACCTGCGATG TCCGGTGNTG  NGGCACCCTA CAGTCCTANT TGGACTGAAC AGGCCTGATG GAGGTTGTGG CTGGNCTCAG  TTACACCTAA GAAGNTTTGG GGCAAGGTTC ATTCTNNTGC TTTTAAAAAG TGGCATGGAA  360  CTGTAGTGGT TTNAAACATT CATNTNGTTT AACAGGGGTC GTAAGCCTGG TTTGG  415  (2) INFORMATION FOR SEQ ID NO:339:  (i) SEQUENCE CHARACTERISTICS:  (A) LENGTH: 162 base pairs  (B) TYPE: nucleic acid  (C) STRANDEDNESS: double  (D) TOPOLOGY: linear  (xi) SEQUENCE DESCRIPTION: SEQ ID NO:339:  TGGNCTNATT CCCCAGCATG AAGGCCCTGA GCCCGGTNCC CGGNTGCAAC NAAGGCGGTG  TCCTGCCTGT GGGAAAGCAT CTGGCCATCG CCCGGGGCCG AGGGAAAGGG CCCGGNAAGC  120		60
CATCTAACTG AACCTCATCT CTCTTTCAAT GCAGGTATCA CTACCATTAA AGTTAACATT  CGTAAATGCC AATTCCCTGG GNGGAGGCTT CCATTGCTGG ACCTGCGATG TCCGGTGNTG  NGGCACCCTA CAGTCCTANT TGGACTGAAC AGGCCTGATG GAGGTTGTGG CTGGNCTCAG  TTACACCTAA GAAGNTTTGG GGCAAGGTTC ATTCTNNTGC TTTTAAAAAG TGGCATGGAA  CTGTAGTGGT TTNAAACATT CATNTNGTTT AACAGGGGTC GTAAGCCTGG TTTGG  (2) INFORMATION FOR SEQ ID NO:339:  (i) SEQUENCE CHARACTERISTICS:  (A) LENGTH: 162 base pairs  (B) TYPE: nucleic acid  (C) STRANDEDNESS: double  (D) TOPOLOGY: linear  (xi) SEQUENCE DESCRIPTION: SEQ ID NO:339:  TGGNCTNATT CCCCAGCATG AAGGCCCTGA GCCCGGTNCC CGGNTGCAAC NAAGGCGGTG  TCCTGCCTGT GGGAAAGCAT CTGGCCATCG CCCGGGGCCG AGGGAAAGGG CCCCGNAAGC  120	GGCACGAGNA AAATTGGAAG AGAAAATACT ATTCTGGGTT GGGTATCCTT AAGGATTAGA	
CGTAAATGCC AATTCCCTGG GNGGAGGCTT CCATTGCTGG ACCTGCGATG TCCGGTGNTG 240  NGGCACCCTA CAGTCCTANT TGGACTGAAC AGGCCTGATG GAGGTTGTGG CTGGNCTCAG 300  TTACACCTAA GAAGNTTTGG GGCAAGGTTC ATTCTNNTGC TTTTAAAAAG TGGCATGGAA 360  CTGTAGTGGT TTNAAACATT CATNTNGTTT AACAGGGGTC GTAAGCCTGG TTTGG 415  (2) INFORMATION FOR SEQ ID NO:339:  (i) SEQUENCE CHARACTERISTICS:  (A) LENGTH: 162 base pairs  (B) TYPE: nucleic acid  (C) STRANDEDNESS: double  (D) TOPOLOGY: linear  (xi) SEQUENCE DESCRIPTION: SEQ ID NO:339:  TGGNCTNATT CCCCAGCATG AAGGCCCTGA GCCCGGTNCC CGGNTGCAAC NAAGGCGGTG 660  TCCTGCCTGT GGGAAAGCAT CTGGCCATCG CCCGGGGCCG AGGGAAAGGG CCCCGNAAGC 120	ACCGCAGGAC TCCTCCAAGT CTGTAGGCCT ACTTTCTCTA TGAGAATCGT NATGITAGTC	
NGGCACCCTA CAGTCCTANT TGGACTGAAC AGGCCTGATG GAGGTTGTGG CTGGNCTCAG  NGGCACCCTA CAGTCCTANT TGGACTGAAC AGGCCTGATG GAGGTTGTGG CTGGNCTCAG  TTACACCTAA GAAGNTTTGG GGCAAGGTTC ATTCTNNTGC TTTTAAAAAG TGGCATGGAA  360  CTGTAGTGGT TTNAAACATT CATNTNGTTT AACAGGGGTC GTAAGCCTGG TTTGG  (2) INFORMATION FOR SEQ ID NO:339:  (i) SEQUENCE CHARACTERISTICS:  (A) LENGTH: 162 base pairs  (B) TYPE: nucleic acid  (C) STRANDEDNESS: double  (D) TOPOLOGY: linear  (xi) SEQUENCE DESCRIPTION: SEQ ID NO:339:  TGGNCTNATT CCCCAGCATG AAGGCCCTGA GCCCGGTNCC CGGNTGCAAC NAAGGCGGTG  TCCTGCCTGT GGGAAAGCAT CTGGCCATCG CCCGGGGCCG AGGGAAAGGG CCCGGNAAGC  120  100  110  110  110  110  110  11	CATCTAACTG AACCTCATCT CTCTTTCAAT GCAGGTATCA CTACCATTAA AGTTAACATT	
NGGCACCCTA CAGTCCTANT TGGACTGAAC AGGCCTGATG GAGGTTGTGG CTGGACTAND  TTACACCTAA GAAGNTTTGG GGCAAGGTTC ATTCTNNTGC TTTTAAAAAG TGGCATGGAA 360  CTGTAGTGGT TTNAAACATT CATNTNGTTT AACAGGGGTC GTAAGCCTGG TTTGG 415  (2) INFORMATION FOR SEQ ID NO:339:  (i) SEQUENCE CHARACTERISTICS:  (A) LENGTH: 162 base pairs  (B) TYPE: nucleic acid  (C) STRANDEDNESS: double  (D) TOPOLOGY: linear  (xi) SEQUENCE DESCRIPTION: SEQ ID NO:339:  TGGNCTNATT CCCCAGCATG AAGGCCCTGA GCCCGGTNCC CGGNTGCAAC NAAGGCGGTG 60  TCCTGCCTGT GGGAAAGCAT CTGGCCATCG CCCGGGGCCG AGGGAAAGGG CCCGGNAAGC 120	CGTAAATGCC AATTCCCTGG GNGGAGGCTT CCATTGCTGG ACCTGCGATG TCCGGTGNTG	
CTGTAGTGGT TTNAAACATT CATNTNGTTT AACAGGGGTC GTAAGCCTGG TTTGG  (2) INFORMATION FOR SEQ ID NO:339:  (i) SEQUENCE CHARACTERISTICS:  (A) LENGTH: 162 base pairs  (B) TYPE: nucleic acid  (C) STRANDEDNESS: double  (D) TOPOLOGY: linear  (xi) SEQUENCE DESCRIPTION: SEQ ID NO:339:  TGGNCTNATT CCCCAGCATG AAGGCCCTGA GCCCGGTNCC CGGNTGCAAC NAAGGCGGTG  TCCTGCCTGT GGGAAAGCAT CTGGCCATCG CCCGGGGCCG AGGGAAAGGG CCCGGNAAGC  120	NGGCACCCTA CAGTCCTANT TGGACTGAAC AGGCCTGATG GAGGTTGTGG CTGGNCTCAG	
CTGTAGTGGT TTNAAACATT CATNTNGTTT AACAGGGGTC GTAAGCCIGG TITOS  (2) INFORMATION FOR SEQ ID NO:339:  (i) SEQUENCE CHARACTERISTICS:  (A) LENGTH: 162 base pairs  (B) TYPE: nucleic acid  (C) STRANDEDNESS: double  (D) TOPOLOGY: linear  (xi) SEQUENCE DESCRIPTION: SEQ ID NO:339:  TGGNCTNATT CCCCAGCATG AAGGCCCTGA GCCCGGTNCC CGGNTGCAAC NAAGGCGGTG  TCCTGCCTGT GGGAAAGCAT CTGGCCATCG CCCGGGGCCG AGGGAAAGGG CCCGGNAAGC	TTACACCTAA GAAGNTTTGG GGCAAGGTTC ATTCTNNTGC TTTTAAAAAG TGGCATGGAA	
(i) SEQUENCE CHARACTERISTICS:  (A) LENGTH: 162 base pairs  (B) TYPE: nucleic acid  (C) STRANDEDNESS: double  (D) TOPOLOGY: linear  (xi) SEQUENCE DESCRIPTION: SEQ ID NO:339:  TGGNCTNATT CCCCAGCATG AAGGCCCTGA GCCCGGTNCC CGGNTGCAAC NAAGGCGGTG  TCCTGCCTGT GGGAAAGCAT CTGGCCATCG CCCGGGGCCG AGGGAAAGGG CCCGGNAAGC	·	413
(A) LENGTH: 162 base pairs  (B) TYPE: nucleic acid  (C) STRANDEDNESS: double  (D) TOPOLOGY: linear  (xi) SEQUENCE DESCRIPTION: SEQ ID NO:339:  TGGNCTNATT CCCCAGCATG AAGGCCCTGA GCCCGGTNCC CGGNTGCAAC NAAGGCGGTG  TCCTGCCTGT GGGAAAGCAT CTGGCCATCG CCCGGGGCCG AGGGAAAGGG CCCGGNAAGC  120	(2) INFORMATION FOR SEQ ID NO:339:	
TGGNCTNATT CCCCAGCATG AAGGCCCTGA GCCCGGTNCC CGGNTGCAAC NAAGGCGGTG  TCCTGCCTGT GGGAAAGCAT CTGGCCATCG CCCGGGGCCG AGGGAAAGGG CCCGGNAAGC  1.00	(A) LENGTH: 162 base pairs  (B) TYPE: nucleic acid  (C) STRANDEDNESS: double	
TGGNCTNATT CCCCAGCATG AAGGCCCTGA GCCCGGTNCC CGGNTGCAAC NAAGGCGGTG  TCCTGCCTGT GGGAAAGCAT CTGGCCATCG CCCGGGGCCG AGGGAAAGGG CCCGGNAAGC  1.00	(xi) SEQUENCE DESCRIPTION: SEQ ID NO:339:	
TCCTGCCTGT GGGAAAGCAT CTGGCCATCG CCCGGGGCCG AGGGAAAGGG CCCGGNAAGC 12	TGGNCTNATT CCCCAGCATG AAGGCCCTGA GCCCGGTNCC CGGNTGCAAC NAAGGCGGTG	60
1.6	TCCTGCCTGT GGGAAAGCAT CTGGCCATCG CCCGGGGCCG AGGGAAAGGG CCCGGNAAGC	120
		162

# (2) INFORMATION FOR SEQ ID NO:340:

(i) SEQUENCE CHARACTERISTICS:

(A) LENGTH: 373 base pairs

(B) TYPE: nucleic acid

(C) STRANDEDNESS: double

(D) TOPOLOGY: linear

# (xi) SEQUENCE DESCRIPTION: SEQ ID NO:340:

•		·		COMOMA AMCA	ΨCΔΨCΨCΨCG	6.0
CGGCATTGCG	NCANAANGNC	CNAAGGAGGA	GTCCTTCGGG	CCIGIAAIGA	TCMICIOS	
	COCCA COMCC	à à TGCCGTGC	TGTTTCGGGC	CAATGCCACG	GAANTTTGGC	120
						180
CTGGNTTNTG	GTGTCTTCAC	NAGGAACATT	NNCAAGGCCC	TGTANTNAGT	GAACAAGCTC	100
C100211			CAACAACACC	GACGTNGCCG	NTTCCCTTTC	240
					NTTCCCTTTC	
	as a sancoom	CCCATTTGGG	CAAAGATTCT	TAGGGAGAGG	CGGGNTCTGA	300
GGAAGGGAT'I'	CAAACAGICI	6667111000				360
A A COA CONTAC	CTCNGGGGTT	AAAGACCAGT	GAACCTTTCG	GAATACTTNA	AGNAAAGGTC	300
AACGAGINAC	CIGNOCCE				•	373
TTTGTGAAGG	AAG			•		

### (2) INFORMATION FOR SEQ ID NO:341:

### (i) SEQUENCE CHARACTERISTICS:

- (A) LENGTH: 298 base pairs
- (B) TYPE: nucleic acid
- (C) STRANDEDNESS: double
- (D) TOPOLOGY: linear

# (xi) SEQUENCE DESCRIPTION: SEQ ID NO:341:

						· · · · ·
60	AGCCCCGATG	CCTNANCCCC	CCGCATGCNA	TCGCCACGCA	ACCCGGGNGG	GGCACGAGCA
120	ATGCTCAGGC	CAATNATGTC	CCGTCCGCCT	TCGAGACCAC	CA CA CTCCCT	000110 0000m
180	TATGGTGAGT	CGACAGCAAG	mata matmmcma		CACACIGGCI	GTNAGGCCTA
240		COntenioriza	TNAINTICIA	CAGAAGTNCG	GCTGCGCTGG	TGGTGACGGA
240	TGGGAGACCT	GGCCAGATGC	GGACAGGGAT	GGCTGCTTGG	GCGAAGCTGG	TGTCCGGCAG
298	GCCTCCAG	TGCTGAGTGG	GGGTGGTCTG	GACCGGTNGG	mccccccccTG	CACAACTICCC
				<del>-</del>	1000000010	GAGAAGTGGG

### (2) INFORMATION FOR SEQ ID NO:342:

- (A) LENGTH: 506 base pairs
- (B) TYPE: nucleic acid
- (C) STRANDEDNESS: double
- (D) TOPOLOGY: linear

TTAAGTGTAG	AATCAATGAA	AAGACTTAAC	AGCCTTCTCA	ATATCCCAGA	AAAGTGTCCT	60
			GAAGATAAAC			120
			GATGCTGATG			180
					GGTAGTAGAA	240
the second secon					GATGCATGTG	300
					TGATGCATTG	360
					GTGATATGAN	420
					TACAGCTGTA	480
	CCTTTCNAAT					506

### (2) INFORMATION FOR SEQ ID NO:343:

### (i) SEQUENCE CHARACTERISTICS:

- (A) LENGTH: 515 base pairs
- (B) TYPE: nucleic acid
- (C) STRANDEDNESS: double
- (D) TOPOLOGY: linear

# (xi) SEQUENCE DESCRIPTION: SEQ ID NO:343:

GGCAGAGTNG AAGATGGGGA CCACGGTCTC ATTCAGGGGA TCCTTGTTTT TTTCCAGCCA 60 GCCCACAATG CTGTANGGCA CCTGGAGAGA CAAGTCAGGT GCTGAGCCCG NGTGGGAGAC 120 CTGGAGCAGG GCGNGAGGAG ACNGGCCGAG GGCTGGGGTT CNAGNAAGCA CCTACCACGC 180 CTGCTTAGTG GACCACCTCG AAAGTGGGCC TGGTACTTGC GCCTTCTTGT CAGGCCGAGG 240 CTGCTGGAAA TTGGGTGACT TCCCCGCGTG GTTNTGCGTA GAGCTTGGCC CGGAAAGCTG 300 GCGTCTGAGG CCTTNGGGAA CATGCATTCC TNCTACCAGG TTGGACAGGT TGCCCAGTGG 360 CTGGGCAACA GAACGAGCTT GAAAACCACC ATTCAAGCCA TNCCATNGTA AAGTGACTGT 420 AACCCTGGTT CCCCAGTCCA ANTTNCTTTT GGGAGCNTNC CNAAATTCCC CAGTTTCAGC 480 515 ANTINTCCCCG GNTGGTTCAG ACAACACAAC CATTC

### (2) INFORMATION FOR SEQ ID NO:344:

- (i) SEQUENCE CHARACTERISTICS:
  - (A) LENGTH: 300 base pairs
  - (B) TYPE: nucleic acid
  - (C) STRANDEDNESS: double
  - (D) TOPOLOGY: linear
- (xi) SEQUENCE DESCRIPTION: SEQ ID NO:344:

AGAACTAGTG GATCCCCCGG NCTGCAGGAA TTCGGCANAG GGNAGCGTGC NGNATTCAAA	60
GCTTACCGAG ATGCTGATGG CCTGGTTATT GACCAGCATG AAATATTTTT GGACTACNAG	120
CTGGAAAGGA CTCTCAAAGG GTGGATCCCT TGGNCGACTT GGAGGCGGTC TTGGGGGAAA	180
AAAGGAGTGC TGGGNCAACT GAAAATTTGG GGGACGGGAC CGGCCTTTTC GAAAACCTAT	240
TAAACTTGCC CGTTGTTNAN AAACGACCTC TATAGAGAGG GAAAACGGNG NAAGGCGGGN	300
	300
(2) INFORMATION FOR SEQ ID NO:345:	
<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 319 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
ano TD NO.245	,
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:345:	60
AGGGAGCACC GGGAATGCCC AAGGGGATCG TCCATACCCA GGCAGGCTAC CTGCTCTATG	120
CCGCCCTGAC TCACAAGCTT GTGTTTAANC ACCAGCCAGG TGACATCTTT GGCTGTNTGG	180
CNGGACATCG GNTGGATTAC AGGGACACAG CTNACGTGGT GTATGGGCCT CTCTGCAATG	240
GTGCCACCAG CGTCCTTTTT GAAAAGCACC CCAGTTTATC CCAATGACTG GTNCGGTACT	300
GGGAAGACAG TAGAGAAGGT TGGAAGATCC ANTCNAGTTT CTGATGNGGC GGNCGCAACG	319
GTCTGTTCCG GGCTGGTTG	
(2) INFORMATION FOR SEQ ID NO:346:	·
<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 412 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:346:	
GGCACGAGCT CGTCCTTGNA AACTNATCCA ACAGCCTCAA AATGCGAGCN TGTTTGTNAA	60
CAGACCCGCC CTCGGAATCC TGCCTCCGGA GAACTTTGTG GNAGAAGCTC CGGCAGTCCT	120
TGCTCTCGGT GGCTCCCAAA GGGATGTTCC CAGCTCATCA CCATGGCCTG CGGCTCCTGC	180
TCCAATGAAA ACGCCTTAAA GACCATCTTC ATGTGGTACC GGAGNAAGGA AAGAGGGCAG	240
AGGGGCTTTT TCCCAGGAGG NGCTGGAGAC GTGCATGNTT AAACCAGGCC CCTGGNTGCC	300
CCGATTACAG TATCCTTTNC TTCATGGGGG GGNTTNCCTT GGGAGGACCC TGGGTTTGTT	360

TAGNGGCCCA GGAAATTTTA AAGCCCTTCA AAAGGTTGGG NAATCCCTTT CC	412
(2) INFORMATION FOR SEQ ID NO:347:	
<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 506 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:347:	
GGCACGAGNA CACCCTGGGC CTCACACCCC TGCATCACGC CTCTCGGGAA GGCCACGTGG	60
AGGTTGCCGG CTGCCTGCTG GACAGGGGTG CCCAGGTGGA TGCTACCGGC TGGCTCCGAA	120
AGACCCCCCT ACACCTGGCT GCAGAGCGAG GGCATGGGCC TACCGTGGGG CTTCTGCTGA	180
GCCGAGGGGC CAGCCCCACT CTGCGGACGC ATGGNGCCGA GGTGGCCCAA ATGCCTGAGG	240
GGGACCTGCC CCAAGCGGTT GCCTGAACTT GGAGGGGGG AGAAGGAGTT TNAAGGCATA	300
GAGTNCAAGG GGGTTTTAGC CAAACAAGCA AGGTTTCCAA GGTTTCCAAC NGGCCCAATT	360
GANTTTTCCA AGGTTTTTTT GGGTTTNAAG GTTNNCCTTG CNTTGGAAGG GGGACAATTA	420
AAGGNAAGAG GGTTTTTCCG GAGGAAGGGG NTTGGGGGAA AATTAAAGGG GTTTTTGGGT	480
TTTNACTTTN AATTTAAAAA NGGCTT	506
(2) INFORMATION FOR SEQ ID NO:348:	
(i) SEQUENCE CHARACTERISTICS:  (A) LENGTH: 322 base pairs  (B) TYPE: nucleic acid  (C) STRANDEDNESS: double  (D) TOPOLOGY: linear	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:348:	
GAAATACGTN TTGCTTTNAT AACTCTNATT GCTTCTTTGC TGTTGGGGTG TGTAAAGTAA	60
GCATTGATTT NAGTGCTGAG NAATGTGAAA CGGGACTTAC AGGNATGCTT GGATTAGTNC	120
ATCACAGGTT CTNATGAACT TTNCCTACCA CAGTTGANTA ATATTTNTCC TCAAACCTGT	180
GTGCCCTAAG GANTNTGTTA NAATAATTGT TGGATAATTT CTAGGTGGGT GTTTATCCAA	240
GGCGCNAGAA ATTCCCTGCC CTTGGACCAG ATGTGTGGGG GCCNTCTGAC AAAATGGTAT	300
GNTNTGGTTT ANTTTACCAC AC	322
(2) INFORMATION FOR SEQ ID NO:349:	

<ul><li>(A) LENGTH: 130 base pairs</li><li>(B) TYPE: nucleic acid</li><li>(C) STRANDEDNESS: double</li><li>(D) TOPOLOGY: linear</li></ul>	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:349:	
GTCTGGTCGC NAGCAACCTA ANTCTAAAAC CTGGAGAGTC CCTTCAANTG CAAGGCGNGG	60
GTCTGGTCGC NAGCAACCTA ANTCTAAAAC CTGGTGCGA AACACAGCAA CANCCTGTGC	120
TGGCTCCTAA CGCTAAGAGC TTCGTCCTGN AACCTGGGCA AAGACAGCAA CANCCTGTGC	130
CCTGCCCTTN	190
(2) INFORMATION FOR SEQ ID NO:350:	
<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 396 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:350:	
GGCACGAGCC TCANTCCTTA ACTGGAAAGT AACCGTCCAC TGCCCCATGG AGCCCATCTG	60
GACACAGCAC AGCCCCAAAA CCGTTAGCAG CTGGCTCTGT TTCCAAGCCT GGGGAGGGGT	120
TCCTCAGTGN CAGGAGTTGG GGACAGGCTG GGGATCCAAG CTGCTTGAGG GGGTCAACCT	180
TGGGACCAAA GTTGCCTTNA AGCCTGTGGT AAAAGGGCTT CAGGGGAAGG TAAGTGGGCC	240
ACCTGCTGGA AAGTTGCCAG CTGCCCGGTT GGCAATGGTG TGAAGTTTTT TGGGCCCTGT	300
TCCCTGGCCC TGGGGGTTCC AGCAGGTGCA NTCCCTTCCC TTGCTTACTN TNCTNCTTTT	360
GGGGGTTTTG TTCCCTGTNA GTTCACTGGG GGTTAA	396
(2) INFORMATION FOR SEQ ID NO:351:	
<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 102 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:351:	6(
GGCTATTGTA GGGCACCTNA CATTGCACAA GAAATGCCCC TTGCACTGGT GAATNTGTGC	
CATTTCGTAG GGTCGGNATC CTCTGNTNAG CGTGGTTTAC CA	102
(2) INFORMATION FOR SEQ ID NO:352:	
(i) SEQUENCE CHARACTERISTICS:	

<ul><li>(A) LENGTH: 307 base pairs</li><li>(B) TYPE: nucleic acid</li><li>(C) STRANDEDNESS: double</li><li>(D) TOPOLOGY: linear</li></ul>	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:352:	
GGCATNGTGN CAGGTNTGCA GCAAGTTGTT TCTTAGTGTC CCAACGGAGG AACCACTGAA	60
GCAAAGCTTT ACCTGTGCTC TACAGAANGA AATACTATAC CAAGGAAAGC TGTTTGTATC	120
AGAAAACTGG ATTTNTTTTC ATTCCAAAGT CTTTGGAAAA GACACAAAGA TCTCTATTCC	18.0
AGCTTTCTCG GTAACCCTAA TAAAGAAANC CAAAACTGCT CTTCTAGTGC CAAACGCCCT	240
GATCATAGCA NCAGTCACAG ACAGGTACAT ATTTGTTCTN CCTTNACTTT TCCAGAGATT	300
NCAACTT	307
(2) INFORMATION FOR SEQ ID NO:353:	
<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 326 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:353:	
GGCACGAGGN AATCATCTTT AANATCACTT TCTNCTTCTT TGTNATTGTN ATTCTCTTGG	60
CCATAATACA AGGTCTAATT ATTGATGCTT TTGGAGAACT AAGAGACCAA CAGGAACAAG	120
TCAAAGAAGA CATGGAGACC AAATGCTTCA TCTGTGGGAT AGGCAATGAA TTACTTCGAT	180
NACAGTGCCA CATGGCTTTG AAAACCCACA CTTTACAGGA GCACAACTTG GCTAAATTAC	240
TTGTTTTTTC CTGGATGTAT CTTATNGACA AAGNTGGAAA CAGNNCACAC AGGGNCAGGA	300
ATCTTATGTT CTGGGAGGAT GTTATT	326
(2) INFORMATION FOR SEQ ID NO:354:	
(i) SEQUENCE CHARACTERISTICS:  (A) LENGTH: 222 base pairs  (B) TYPE: nucleic acid  (C) STRANDEDNESS: double  (D) TOPOLOGY: linear	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:354:	6(
TAGGAGGATA TNACGGCTTG AATATCTNAA ATNCAGTTGA GAAATACGAC CCNCATACAG	120
GACATTGGAC TAATGTNACA CCAATGGCCA CCAAGCGTTC TGGTGCAGGA GTAGCCCTGN	121

	•
TGAATGACCA TATTTATGTG GTGGGGGGAT TTGAATGGTG ACAGCCCACC TTTNTTCCGT	180
TGGAAGCATA CANCATTCGN ACTGNTTCCT GGGACAACTG TN	222
(2) INFORMATION FOR SEQ ID NO:355:	
<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 156 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:355:	
TGATATTCAC CTTCCTGGTC TGTNGGNTTG CCTTATATCG TNATCTNCTT CTNGGTGGTT	60
AATGGTCATG GTCACCTGGT CACTCCAACA ATATCTGTTG TTTCGTACCT CTTTNNTAAA	120
TNGAACACTG TNTACAATCC GGTGATTTAT GNCTTC	156
(2) INFORMATION FOR SEQ ID NO:356:	
<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 239 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:356:	
GGCACGAGCA ACATATTAAG ACTCTGTCTC TACCAAAAAT ACAAATAAGT NAGCTGGGCA	60
TGGTGATGCA CTCCTATAAT CCCAGCTACT CAGGAGGCTG AGGTGGGAGG ATCACTTGAG	120
CTCTAGAGGC CAAGGCTGCA GTNAGCCGTG ATCATGCCTC TNCACCCTAG TCTGGGTGAC	180
AGAAGGAGAC CCTGTCTCAA AAAAAAAAAA AAAAAAAAAA	239
(2) INFORMATION FOR SEQ ID NO:357:	
(i) SEQUENCE CHARACTERISTICS:  (A) LENGTH: 293 base pairs  (B) TYPE: nucleic acid  (C) STRANDEDNESS: double  (D) TOPOLOGY: linear	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:357:	
AATCAAAATT GAATATCATT ACTTTTTATA GATCTATTCA GATTTATTCT TTGTNCTTGA	60
GTCAACTTTG TTGGATTTGT ATGTTTCTAG GAATTTGTCT GTTTCATCTA GGTTATCCAA	120
TTTTTTGAAC ATATAGCTCT TATACTAATT CTCTTACAAT CCTTTTTATT CCTATAAATC	180

AGTAGTAGTG TCTTTCATTT CTGAATTTTA GTAGTTGAGT ATTCTTTTNC CNTAATCTAG	240
TTAAAGCTTT GTTCAACTTT GTGGANCTCT TNCAAAGAAC TAAATTTTNG GTT	293
(2) INFORMATION FOR SEQ ID NO:358:	
<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 289 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:358:	
CGCACTCAAG GTCGACACTA GTGGNTCCAA AGANTTCGGN AGAGGAAACA GCGGTTAACN	60
CCCGTCCCC AGGGCCAGTC CCTCACCNGG CCCAGAGCAA GGCCACTAAG GATGGGCCGT	120
CGAAACCAAA GTGGTCATCT ATTNANNCAT CATNNNCNGC AATTTNCCTN TTATCGGNGT	180
NGAAAGNGNA AGACATTCGA GCCAACTTCA CAAGAAATGT CTAGANAAGA AAGTNCTTTA	240
TGTGGACCNT GAGTTCCCAC NGGATGAGAC CTGTCTCTTT TATAGCNAG	289
(2) INFORMATION FOR SEQ ID NO:359:	
<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 138 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
THE REPORT OF THE NO. 359:	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:359:  CTANTCCNAG CACTTGGAAA GCNAAGGNAG GAGGATTNCT TGAGGCCAAG AATTTAAAAC	60
CTANTCCNAG CACTTGGAAA GCNAAGGMAC CIOCAGCCTAAGAAAA NCTGTNAANT TAGCTGGGCA	120
·	138
TGGNGCCATA TGCCTNAC  (2) INFORMATION FOR SEQ ID NO:360:	
(i) SEQUENCE CHARACTERISTICS:  (A) LENGTH: 138 base pairs  (B) TYPE: nucleic acid  (C) STRANDEDNESS: double  (D) TOPOLOGY: linear	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:360:	60
GGCACGAGTG GTGGCTCATG NATGTAATCC CAGCACCTTG GGAGGCTGAG ACAGAAGGAT	120
TGCTTCAGCC CAGGAGTTCC TGACTCAAAA AAAAAAAAAA	

	138
GGGGGANTTT TTNGGGGG	
(2) INFORMATION FOR SEQ ID NO:361:	
<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 176 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:361:	
CCCACGAGGT GGCGAGCNCC TGTAGTCCCA GCTGCTGGGG AGGCTGAGGC ACGAAAATCA	60
CCTGANCCCA GGAAGCGGAG GTTGCAGTAA GCCGAGATTN CCCCACGGCA CTTNAGCCTG	120
GGTGACAGAG CGAGAACTCT GTCTCAAAAA AAAAAAAAAA	176
(2) INFORMATION FOR SEQ ID NO:362:	-
(i) SEQUENCE CHARACTERISTICS:  (A) LENGTH: 495 base pairs  (B) TYPE: nucleic acid  (C) STRANDEDNESS: double  (D) TOPOLOGY: linear	
2.62	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:362:	. 60
ATTAAAAACT CCTCTGGTTG CCGTATTTNA TGATCTGGAT ATAGAAGCGG ATGAAGAAGA	120
TGAACTTAGG GCAAGAGGTC TTACAGGTTT GAAAAATATT GGAAATACTT GTNACATGAN	180
TGCAGCTTTG CAGGCTCTTT CTAATTGCCC ACCTTTGAAC ACAGTTTTTN CTTGATTGTG	240
GGAGGGACTT AGCTCGNAAC AGGATTAAGN AAACCTGGCC ATTTGTGAAA AGTTAATCTN	300
CAAACTTAAT GGACAGNGCC TGTGGGCATT AAAAGCCAGG GCCAGGTTTC TGTTTGTGGC	360
CTACTTACTC TGTTTTCAAG GGATTTAAAA ACTGTTAAAT CCCAACATTT CGGGGGGGTT	420
TTTCTNCAGC CAGGGTGGNT CCAGGAATTN CCNTTCGGTG TTTTAATGGG NTTTGNCTTC	480
CAGGAGGGAT TTGAAAGGGG CCAGTTCCTG GGAGTTGGAA GGAGGNTCCC CGNAANCCTT	495
AACCCTTGGG GGGGG	
(2) INFORMATION FOR SEQ ID NO:363:	
(i) SEQUENCE CHARACTERISTICS:  (A) LENGTH: 376 base pairs  (B) TYPE: nucleic acid  (C) STRANDEDNESS: double	

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:363:	60
GGCAGAGGAG NATGACCTTG TGCCCACAGC ACCTTCTCTG GGCACCAAAG AAGGTTACCT	60
CACCAAACAG GGAGGCCTGG TCAAGACCTG GAAAACAAGA TGGTTTACTC TGCACAGGAA	120
TGAACTGAAA TACTTCAAAG ACCAGATGTC ACCAGAACCA ATTCGGATCC TAGACCTAAC	180
AGAATGTTCA GCTGTACAAT TCGGATTATT TCACAAGAAA GGGTAAACTG TTTTTGTTTG	240
GTATTTCCAT TNCAGGACAT TTTATCTCTG TGCAAAGGAC CGGAGTAGAA GCTGTTGAGT	300
GGGNTCAAGG TATTTACGGN TGGGNAAATT TGTTCACCAN ATTAAGGAAA AACCAGGTTT	360
CCAAACCCAG GGGGGN	376
(2) INFORMATION FOR SEQ ID NO:364:	
<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 204 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:364:	
GGCAGAGGGG TAAATTAAGT ATTGAAAAAA TGCTATGGGG CAGAGGAAGA AATGCTAAGC	60
GGCAGAGGGG TAAATTAAGT ATTGAAATTAA TOO TOO TOO TAAATTAAGT ATTGAAAATTAAGT ATTGAAAAAA GAACAAGCTG CAGCTGAGAG TTCTGTGAGA AGAGAAGACA GCTTGTTACA CAGGTGAAAA GAACAAGCTG CAGCTGAGAG	120
TTCTGTGAGA AGAGAAGACA GCTTGTTACA CAGGTGAACA CTTTTCAACC ACTACAAATT	180
AAGAAAAGTA TAAGAGTTGC TAGGTGTGAC AATCTCAAGA CTTTTCAACC ACTACAAATT	204
TAAACAGCCA CCCTAAATCA CCCC	
(2) INFORMATION FOR SEQ ID NO:365:	
<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 332 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:365:	
GGCAGAGNAT TTAGACATTA TTACTCAAAA TATTCCAGAA AAGGTAAGTT TGTTTGTAAG	60
ANTTTAAACT TGACTGTAAA AAAAGAATTG TATGTATTTG TACCAATTTT TTATATGTNG	-120
AGCATTCCTG TGAAATGTTT GCAATTTTNC CCTTTCCTTT CCACTGCCCT GCTAAATGTG	180
CACATGTATT AGNACACAAA TACCCAGTAA ATGGGGAATT ACCCATTTAC ATGGCATACA	240
CACTGAGGTG GGCTTGNGGT ACATACCAAA TTTTTAGGAC AAACTTACTG GGGTAAGTTT	300
TTGTGGGATA CTTGTNTNAN AANTGATTAA TT	332

(2) INFORMATION FOR SEQ ID NO:366:	
<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 56 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:366:	
GGCANAGNAA AAAAAAAAAA AAAAAAAAAA AAAAAAAAAA	56
(2) INFORMATION FOR SEQ ID NO:367:	
<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 114 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:367:	
(x1) SEQUENCE DESCRIPTION. DE DESCRIPTION DE DESCRI	60
AGACCTTAAN CCCAGGAGGC GGAGGTTNCA GTAAACCNAN ATTAACCCAC TACACTCCAG	114
CCTGGGCCAA CAAGAGCAAA ACTCNGTCTC AAAAAAAAA AAAAAAAAA AANC	114
(2) INFORMATION FOR SEQ ID NO:368:	
(i) SEQUENCE CHARACTERISTICS:  (A) LENGTH: 93 base pairs  (B) TYPE: nucleic acid  (C) STRANDEDNESS: double  (D) TOPOLOGY: linear	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:368:	
GGCANAGCGG CCACNCCAAA GTTTTGGGAA TTACAGGCAT GACCCACCGC CCCTGGNTGG	60
	93
ATTTCCTTTG AAAAAGNNAA AAGAAAAAAA AAA	
(2) INFORMATION FOR SEQ ID NO:369:	
(i) SEQUENCE CHARACTERISTICS:  (A) LENGTH: 111 base pairs  (B) TYPE: nucleic acid  (C) STRANDEDNESS: double  (D) TOPOLOGY: linear	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:369:	

GGTGAACCCT GGCCGCCCAC CTCCCCGCGC AAGTTCACCC CTGNGATGCA CGNTTCCNTG

60

GAACAAGTTC CTGGTTTCTN TGANGCACCG TGCTGACCTC CAAATACCGT T	111
(2) INFORMATION FOR SEQ ID NO:370:	٠
<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 362 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	·
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:370:	
TGTAATCAGC ATCANTAATA ACTGTGAAGT CCTTCATTGG CTTAGGTTGC ACTTNTNGGT	60
AGAGGCTGGG GCAAGGNTTT NTTGGGATCA GGGACACTAG GCAGCCACTC CTCAGGCACC	120
AGTAGTGGTG GGCANTGAAG TCAAATGTGC CAGTNTTCAC ATGCCTGGNT AGCATACACA	180
GATTACCAGT GGTGGCTGGT NTGGNTGGGC TGGTCCTTGA ANCCTNCAGG TGGGCATGGC	240
TCCAGGTGCC TGGTGGTGGC CAGTGGTAGG CTTAGGGCAG GTGAGGTGCC TTGGGCCCNT	300
TGGAACAGTG TGGCATGGAA TTGGTGGTTG ACAGGNTTGG NAACTNTGCC TTGGCAAAAT	360
TN	362
(2) INFORMATION FOR SEQ ID NO:371:	
<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 173 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:371:	
AGAAGCAAGT TNCTTAGCTG GGTGAAGTGG CTCATGCCTA TAATCCGGCA CTTTGGGAGC	60
CTGNGACAGG TGGCATTGNT TGAAGCCAGG AGTTCAAGGC CAGCCTGGGC AATAAAGTGA	120
GAACCTGTCN GTNATAGACA AAAAAAAAAA AAAAAAACAA AAAANCNGGG GGG	173
(2) INFORMATION FOR SEQ ID NO:372:	
<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 436 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:372:

GCGGTGCAGA TCTTCGACAC CTGGGGTGGC AACCTGTCGT (	CGGCGCGTA	CCAGGAGTTC	120
TCCCTGGGCC TACATGCGCA ANATCGTCAG CGGCCTGATC (	CGTGAACAGA	AGGGCGCAAA	180
GTGCCGGTGA TCATGTTCAC CAAGGGCGGC GGCCTTTGGC	TGGNAGAGCA	TTNCCGACGC	240
CGGCGCAGAN CGCTNGGGCC TGGATTGGAC CTGCGACCTG	GGCGAGGCCC	GTCAGCGCGT	300
GGGTAACCGG TTGGGCTGCA AGGTTNACAT GGACCCAACT	GTGCTTTACG	NCAAGCCGGA	360
AGCGATTTGC AACGAATTTG GGCCGNATNC TTGGCCAGTT	NTGGCAAGGG	CAAGGGCNT	420
TTTTTTCAAA CTTGGG			436
(2) INFORMATION FOR SEQ ID NO:373:			
<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 366 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>			

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:373:

GGCAGAGGNA GTGGTATGNG CTGGATCTGG TGAAAAACCA GGATGGCGCG GTGGTGGGTT 60
GTACCGCACT GTGCATCGAA ACCGGTGAAG TGGTTTATTT CAAAGCCCGC GCTACCGTGC 120
TGGCGACTGG TGGACAGGGN CGTNATTTAT CAGTCCACCA CCAACGCCCA CATTAACACC 180
GGCGACGTTC GNGNCATGGN TATCCGTGCC GNCGTACCGT GCAGGATATG GAAATNTGGC 240
AGTTCCNNCC GACCGGCAT TGGNTGACGG GNNATACTGG TCCACCGAAN TTGNCCGTGG 300
TGAAGGCGGT TATCTGCTTG AACAAACATG GGCGAACGTT TTTTATGGGA GCGTTAATTT 360

# (2) INFORMATION FOR SEQ ID NO:374:

- (i) SEQUENCE CHARACTERISTICS:
  - (A) LENGTH: 57 base pairs
  - (B) TYPE: nucleic acid
  - (C) STRANDEDNESS: double
  - (D) TOPOLOGY: linear

## (2) INFORMATION FOR SEQ ID NO:375:

- (i) SEQUENCE CHARACTERISTICS:
  - (A) LENGTH: 78 base pairs
  - (B) TYPE: nucleic acid

(C) STRANDEDNESS: double
(D) TOPOLOGY: linear

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:375:	
AGGTAGAACC CACCATGGTG CTGTCTCCTG CCGACAAGAC CAACGTTAAG GGGGGGNTTT	60
TNTAAGGTCG GTGNGNAC	. 78
(2) INFORMATION FOR SEQ ID NO:376:	
<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 506 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:376:	
AGGGTACCGT ACGTCGTCGC TGNTGAGTGG GCGAAAAGCT GCAAATGAAA CAGCACTGCC	60
CACATCCGGA TCTGTTACAG GTCGATCCGT TCGAAGCCAT CATCGATGAA GAGCTGGAGC	120
CTGGTGATAT TCTTTATATT GGGNTGGGAT TCCCGGCATG AAGGCTACGC GCTGGGAAAA	180
TGCGATGGAA CTATTCCGTG GGCTTTCGCG CGCCAAATAC GCGGGAACTG ATTAGTGGAT	240
TTGCCGATTA TGTGCTGCAA CGTGAACTNG GCGGCAACTA CTACAGCGGA TCCGGATGTT	300
TCCACCTCGC GNTTCATCCT GCGGGATGTT TCTGNCCGCA AGNGAATGGN TNAAACTGCG	360
TGAGAATGGA TGCNTCGGAA TTGNTTCANC CAGCCNGTNA CAATTTTAAG CAATGGTTTT	420
GGCGAGTTTT ATNTCCCAGT CAAGTCATGG AANNTGGGTT ATTGGGGCNG CCAANGCCGG	480
CTTTTCAGCC GGTGNAATTT ACGGTG	506
(2) INFORMATION FOR SEQ ID NO:377:	
<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 236 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:377:	
GGCAGAGCAT GNTTATGGGN TACAAAGNGA TGTTATATTT TATGAATATT TAGCTGGGCA	60
TGGAAGCTCA TGCCTGTAAT CCCAGCACTT TGAGAGGCTG NGGCAGGTGG AGTGCTNGAA	120
GCTCAGGGGT TNAAGATTAG CCTGGGCAAC ATGGTGGGAA CCTATCTCTA CAAAAAAAAN	180
AAAAAAAANC TGGGGGGGAA TTTTTGNAGT GTTCNGGGGN CCTATGGGTT TTACCC	236

## (2) INFORMATION FOR SEQ ID NO:378:

- (i) SEQUENCE CHARACTERISTICS:
  - (A) LENGTH: 316 base pairs
  - (B) TYPE: nucleic acid
  - (C) STRANDEDNESS: double
  - (D) TOPOLOGY: linear

## (xi) SEQUENCE DESCRIPTION: SEQ ID NO:378:

TTGGCTATGG	GACTATATGT	NATCTANTGA	CTTTTTAAAA	ACAGATTACA	AACTGTAGGC		60
CTTAGATNGG	TAAGTAATTT	TTCAGCTGGG	CATGGTGGCT	NATGCCNGTG	GTCCCGGGGC		120
TTTGGGAAGG	CCGAGGCAGG	CGGATCACGA	GGTCGGGGGT	TCGGGAACCA	TNCTGGTCGA		180
TGTGGCGGGN	CCNCGTGTTC	TGACTGAAAA	AAGTGCAGAA	ATTGGGCTGG	GACATGGTGG		240
CGTGCACNTG	TGGTNCCGGN	TGCTTGGGGG	TGCTTGGGGG	CGGGGGGGGT	CĢCTTTGGGC	·. ·	300
CTNNGGAAGG	AGGAGG			·	· · · · · · · · · · · · · · · · · · ·		316

### (2) INFORMATION FOR SEQ ID NO:379:

- (i) SEQUENCE CHARACTERISTICS:
  - (A) LENGTH: 356 base pairs
  - (B) TYPE: nucleic acid
  - (C) STRANDEDNESS: double
  - (D) TOPOLOGY: linear

#### (xi) SEQUENCE DESCRIPTION: SEQ ID NO:379:

GGCAGAGCNG AAAGCGC	GCT GCACTACAAC	CGACATCGNT	ACTACAATCC	GGATGTTGGT	60
CGCTATCTGA CGCCTGA	ATCC GGTGAAGCTG	GNGGGTGGGC	TGAACGGATA	CCAATACGTG	120
CCCAACCCGA CGGGTGG	GNTG GTATCCGTTG	GGATTAGTTT	GTACACCTGG	GGCAGTGCCG	180
GGNCTTCANC AAATAA	CACA GCAGTTAGCA	AAGTCCCTGG	AGGGGGATTA	GCCGCGCATG	240
AAGCAGCTGG GGGTCA	rcta attgaaaggc	ACGTTCGGTC	AGACAACGGC	GCAGTAAGCT	300
TTNAAGGCTT GTAGGCA	AGAG CCCAANTATT	TCCAGNNGCA	TCCACGGTTT	CAGANT	356

#### (2) INFORMATION FOR SEQ ID NO:380:

- (i) SEQUENCE CHARACTERISTICS:
  - (A) LENGTH: 405 base pairs
  - (B) TYPE: nucleic acid
  - (C) STRANDEDNESS: double
  - (D) TOPOLOGY: linear
  - (xi) SEQUENCE DESCRIPTION: SEQ ID NO:380:

GGCAGAGCTG NTTGACCGAA CCGTTGAAGC GGTTTTCGAT ACGACGCAGC TNACCGTAGC	. 60
GCTCGCCCGG GGAGATGTTG CAACCGCTGG AGCAGNCATG GCAGATGCTC GGCGCAAATT	120
GCATGTCCCA CTTACGGTTG TAGCGCTCGG TAGTGGGTCT TGTCGGTGAA CACACCGATC	180
GGGTCAGACC TTCGGNGAAG GTTNCCGGAG AAACTCGCTT CTCCAGCACG CCGTACTTTC	240
AACGCGAACC GAAGTACACG TTGTCGTGGG ACGCCGAACA CGCCGAGGTC GGTGCCGNCG	. 300
GGNTAAGTCT TTATAGAAGC GCACGNANCG GTAGCAGGCC GATGNCAGCG GTTTCATTTT	360
CGTGGGGAAA TGAACGGGGC CCNAGGTTCC NGGTTTCTGG TTGGT	405
(2) INFORMATION FOR SEQ ID NO:381:	•
<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 251 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	• .
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:381:	•
GGCAGAGNGT TTTNCGGGCT CAGTTCGTGG TGCCAGCTGC CGTGGGTGCG GTCAATGAAA	60
CGAGTTTCAC AGAACTCCCA GANGCGCCGG TACCAGGTTT CGTAATGCAG CTCCCCCGTC	120
CTTTTNANCA GCGCCTGGGC CAGCGGGCAC TGGCTTCGCA ATGGGTCCAG TGCAGGCGCC	180
TCGCGCCACC ACGGGGCGCT GGCTTCCANT CGAGGGTTTA GACAATNCCN GGGGGGCCCN	240
TTGAAGGCC N	251
(2) INFORMATION FOR SEQ ID NO:382:	
<ul><li>(i) SEQUENCE CHARACTERISTICS:</li><li>(A) LENGTH: 183 base pairs</li><li>(B) TYPE: nucleic acid</li><li>(C) STRANDEDNESS: double</li><li>(D) TOPOLOGY: linear</li></ul>	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:382:	
CCCTGGCTCT CTTGATAGAG GCGNGAGAGT NNGNTTCCAG ACCAGAATTT ATCTTCAAAC	60
GCTTCGGCTT CGCGCGCCGC TGCGTTAAGA ATACGGGTCC GCTGGATAAT AATGGCCCAA	120
GATGCGATTG AAAAACCAAT CAAAATCAAC ATGATAAGTT TAACCAGAAG GCTAGCCTTC	180
AGG	183
(2) INFORMATION FOR SEQ ID NO:383:	

(A) LENGTH: 327 base pairs(B) TYPE: nucleic acid(C) STRANDEDNESS: double

(D) TOPOLOGY: linear			·
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:383:	:		
GAGTTGGCGG TCAGGTCACC GGCGGCTTCC AGGGGCGAAA TCA		CACCGCCACC	. 60
GGGATAAACG CCACCCAGTC GAACGAAAAA CCGTACTTGA ACG		•	120
AGTGGCAGCT GGGGCAGGGC GCCCAGGTTC GACGCGGCCC AT			180
ACCCAGGGTC AGGCCGATCA CGATCGAACC CAGGCGCAGG NA			240
TGAGCACCAC GNATGGTCAG CAGCACCAGG GCCGCCACAT GG			300
			327
GGTCGTTGGT GGNCATTAAC CGCNGGT			•
(2) INFORMATION FOR SEQ ID NO:384:			٠
<ul><li>(i) SEQUENCE CHARACTERISTICS:</li><li>(A) LENGTH: 430 base pairs</li></ul>			
(B) TYPE: nucleic acid		: -	
<pre>(C) STRANDEDNESS: double (D) TOPOLOGY: linear</pre>			
(2)		•	
		•	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:384:	:		
GGCAGAAAAT AAAACCACCG GGGCCTCCCT TTAAACTTTN GT	TTCTCAAAG	GGCCCCTCCA	60
CCTGGCCCTG TTCTGGCCCC CAAGGATTCT ATGGGAAGCA GT	TGGAGTCCC	ACAGATCTCG	120
CTCCANACTC TGCTCCCTGA ATCCCGGGGC TCCTCCAACT CC	CCCCTGGCC	TCTAANACTC	180
CTTCCCATCC TCCCCTCCCA CTCAGAAAAC TCTTTGTGGT CC	CCCGCGGAT	GAGGCCCAGG	240
CTCGAATCCC ATATGCCCGT GTNAACCACA ACAAGTACAT GC	GTGACTGAA	CGCGCCACCT	300
ACATCGGTGA GTGTTTTGAG GCACCACGGG GCGCTTGAAG A			360
AGGGCGGNCC CCCGAGGGTG NCCTTATGTT NCACCCTTTN C	TTTTTAGGA	ACTTCCAATG	420
GTTTGATNGA			430
(2) INFORMATION FOR SEQ ID NO:385:			
<ul><li>(i) SEQUENCE CHARACTERISTICS:</li><li>(A) LENGTH: 501 base pairs</li><li>(B) TYPE: nucleic acid</li><li>(C) STRANDEDNESS: double</li></ul>			

(D) TOPOLOGY: linear

⁽xi) SEQUENCE DESCRIPTION: SEQ ID NO:385:

GCTTCGCTGG	TTTTCGGCTG	TTCCAGNATG	GTGCTGACCT	TGTTGTAGGT	NAGGCGGGCC	60
TGGGAGTGNA	TCACCGCTTC	GTAGAACTGG	TAGTCGGTCA	TTTCGNCGGT	TTTCGAGATG	120
GTCATCTCGC	ACACCATGGC	CAAACGGTCG	ACTTTCGGGT	TCAGGGAGCA	CAAGCCGTTG	180
GACAGNTGCT	CAGGCAGCAT	AGGGATGACG	CGCTCGGGGA	AGTACACCGN	GTTGCCGCGC	240
ACCTGGGCTT	CGTTGTCCAG	GGCCGAACCG	ATCTTNACGT	AGCTGGGACA	CGTCGGCAAT	300
CGCGAACGNA	ACAANTTTCC	AGCCGCCGGA	GGAACAGGCG	CATTTGCCAG	GCTTGGNTTT	360
CGCATTAGNC	CGCATTNTNC	GAATTCGCGG	GCANTTTCGG	CTTCATGGTG	ACGAACGNCA	420
GTNNANGCAG	TTCGATGNGG	TTNTNTTTGT	NNTTTTNTTC	GATTTCCGNT	TGAGTTGGGG	480
GTTTTTTGAG	CACAGNNTGA	G .	• ,		•	501

# (2) INFORMATION FOR SEQ ID NO:386:

## (i) SEQUENCE CHARACTERISTICS:

- (A) LENGTH: 427 base pairs
- (B) TYPE: nucleic acid
- (C) STRANDEDNESS: double
- (D) TOPOLOGY: linear

## (xi) SEQUENCE DESCRIPTION: SEQ ID NO:386:

GGCANAGGNC	TGTACGTGCG	CCATTGCTCG	TGCATGGGGT	TTTTANTGAT	TAAGCCTGNG	60
TATGCAACAT	CAGCATTAAA	NAGCTCGTGT	AAANCAGAAT	AAACGGCATT	TGCGAGCATG	120
ATTGGCTTCT	GTCTGCTTGG	ATCAGTTGTA	TAAATTGGAG	TTTTTAGCTC	GAAAAATGCA	180
TGTAATCGTC	CGTTTTGAGG	ATTTTCAGCA	ACAAAATTCG	GCATTGGTAC	GCCATCAAGT	240
GGAATATAAA	ATTTCACTTC	AGGGCTGGAT	TTCATNAGTC	GAGTTTCAAG	CACAAAGTAA	300
TACTGGATAA	AACGGACTAT	TTTGGGCTGA	ATGTACTTGA	ATGCCAGTGC	TGGTATTCTC	360
TCGGGACGTA	TTTTTTAGAC	CCGTGNTCAG	NTCCNTCCGT	ACATTNGGNT	TTGGGTCCGT	420
TAAGTTA						427

## (2) INFORMATION FOR SEQ ID NO:387:

## (i) SEQUENCE CHARACTERISTICS:

- (A) LENGTH: 356 base pairs
- (B) TYPE: nucleic acid
- (C) STRANDEDNESS: double
- (D) TOPOLOGY: linear

# (xi) SEQUENCE DESCRIPTION: SEQ ID NO:387:

CCGGGTGGGA CCTGTACCCA GTGACACATC AGGAGAAATT TTTTTATATG AGAAAATGTG	120
GAAGGGGAAT TTGAGACAGA CAGAGGAGGA GCAGCCCGAG GGGAGGCGTT GTGTGCAGGC	180
GGAGGCAGGG ACGGGGCGAT GCACCACCGG CTGAGGAAGG ACCGCGGCCA CCGGGTAGCT	240
GGAAGACGCA GNTGGAGCCT CCCCTAGAGC TTTTGGNAAG GGACACAGCC CTGCCAGCAT	300
CTTCGTTTTN GTCTTTGGGC CTNCAAAGAC NAAAATCAAG GCTTTTTNGA ACAAAT	356
(2) INFORMATION FOR SEQ ID NO:388:	
<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 326 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:388:	ν.
NGCAGAGCGC GAAGTGGTGT GCGGTACTCC TTGAGCGAGC TGCCTTCCGG CGCCACATCG	60
GTGTCGTGGA AGCTGTAGTA GTCGATGCCC AGCTTGGAGA AAAACTCAAA GGCCGCGTCA	120
NCTTGACCGA TGGCCACTTC CATCGCTTTA CCGCTGCGTT GCCACGGGCG CTTGAAGGTG	180
CCCATGCCAA ACATATCCGC CCCCGGCCAC ACAAAGGTGT GCCAGTAACA GGCGGNCATG	240
CGCAGGTGCT CGCGCATCGG TTTNCCGAGG ATCAGCTTGT TTGCGTCGTA ATGGCGGAAG	300
NCGAGTGNTA GAGTCGCTNG TCAAGG	326
(2) INFORMATION FOR SEQ ID NO:389:	
<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 382 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
CEO ID NO.389	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:389: GGCAGAGCCA CGGTCAGGCC GNCATCGGTA CCGTTCTTGA AACCCACGGC CGAGGACAGG	60
	120
CCGAAGCCAT TTCGCGGTGA GTCTGGGATT CGGTGGTGCG TGCACAATNT GCCGACCAGN TGGTCAGGTC TTGCAGGTAC TGGNGGGAAA TCGTGTCCAG GGTTTCGGTT GNCGTNGNAG	180
TGGTCAGGTC TTGCAGGTAC TGGNGGGAAA TCGTGTCCAG GGTTTCGGTT GROOTHOUSE GCCCATTTCC GNCAAGTCCA GNAGTAATTG NACGACCGAT GTGCAGGCCG TCCTGGATCT	240
GCCCATTTCC GNCAAGTCCA GNAGTAATTG NACGACCGAT GTGCAGGCCG TESTSCHIEF TGAACGAGTC GTCCAGNTAC GGGTCGTTGA TCANGNCTTT NNAGCCGACG GTGGTACGCG	. 300
TGAACGAGTC GTCCAGNTAC GGGTCGTTGA TCANGNCTTT NNAGCCOACG GTCGTTGGT GCTTGTTCGA AATAGACACG GATCACCAGG TNTTNAAGGT GTTCGGACAT TTTNGTNGGT	360
	382
CAGCACTTTT CAGGTGGTTN GG	

CAGCACTTTT CAGGTGGTTN GG

## (2) INFORMATION FOR SEQ ID NO:390:

(i) SEQUENCE CHARACTERISTICS:

(A) LENGTH: 389 base pairs

(B) TYPE: nucleic acid

(C) STRANDEDNESS: double

(D) TOPOLOGY: linear

## (xi) SEQUENCE DESCRIPTION: SEQ ID NO:390:

				*		
GGCANAGGCT	GATCGGNACC	CAGNTCGAGC	ACGTTCCGGC	CATGCTGGAA	ACCATCTTCA	60
AGAGCGCCTT	CGGCCTCGAC	CCGGTATTTG	GCGGCCTGNT	CGGCAGCGCC	ATTGTNATGG	120
GTGTGAANGA	GGTGTGTTCG	CCAACGANGC	TGGCCTGGGC	AGTGCGCCCA	ACGTCGCCGC	180
CGTAGGGCGN	TTNAAACACC	CCGGTGCNCA	AGGCGTGGTC	CAGGCCTTCA	GCGTGTTCCT	240
CGATACCTTC	GTGGATTNNN	CACCTGCACC	ĞCGTTGCGNN	TTNCTGCTGT	CGGGCTTTTT	300
ACACCCCAGG	NTTTGGAAGG	TGAATGNGAT	CGGGCCTGNA	CCCAGAACTT	CGGTTGGGCC	360
GCCCTGGGTT	CGGTTGAANT	GGGGGNCCG		•	•	389

### (2) INFORMATION FOR SEQ ID NO:391:

- (i) SEQUENCE CHARACTERISTICS:
  - (A) LENGTH: 501 base pairs
  - (B) TYPE: nucleic acid
  - (C) STRANDEDNESS: double
  - (D) TOPOLOGY: linear

## (xi) SEQUENCE DESCRIPTION: SEQ ID NO:391:

					•	
GGCAGAGCTT	NGCTTCGCTG	GTTTTCGGCT	GTTCCAGGCA	TGGTGCTGAC	CTTGTTGTAG	60
GTNAGGCGGG	CCTGGGAGNG	NATCACCGCT	TCGTAGAACT	GGTAGTCGGT	CATTTCGNCG	120
GTTTTCGAGA	TGGTCATCTN	GCACACCATG	GCCAAACGGT	CGACTTTCGG	GTTCAGGGAG	180
CACAAGCCGT	TGGACAGNTG	CTCAGGCACA	TTAGGGATGA	CGCGCTCGGG	GAAGTACACC	240
CNGTTGCCGC	GCACCTGGGC	TTCGTTGTCC	CAGGGCCGAA	CCGATTCTTC	ACGTAGCTGG	300
ACACGTCGGC	AATCGCGAAG	GAACAACTTT	CCAGCCGCCG	GAGNAACAGG	CGCATTTTGC	360
CAGGCTTGGT	TTCGCATTAG	ACCGCATCGT	CGAAGTCGCG	GGCATTTTGC	CTCATGGTGA	420
CGAACGGCAA	TGACGCAGTC	GATGGGTTCC	TTTGGNCTTT	TTTTNGATTT	CCGGTTTNNT	480
TTTGGGGTTT	TTTTTAGGCN	A				501

## (2) INFORMATION FOR SEQ ID NO:392:

(A) LENGTH: 490 base pairs(B) TYPE: nucleic acid

(C) STRANDEDNESS: double (D) TOPOLOGY: linear (xi) SEQUENCE DESCRIPTION: SEQ ID NO:392: GGCAGAGNAA GACATCCCAT GTTTATGAGT CTGAAGACTT AACATTGTTA AGATAATACT 120 CTCCAAATTG ATTAAGAGGA TAATACTCTC CAAATTGATC TACAGATTCA ACATGATCCC TATCAAAATC TCAGCTGGCT TCTTTGTAGA AACTGACAAA TTGATTCCAA AATTCATATG .180 AAATTGCAAG GGATGCAGAA CATCAGAACA ATCTTGTAAA AGANCAAAAC TGGAGTACTC 240 CCACTTCTCA AAAACTTACT GCAANGCAAA AGTAATCAAG ATAGGTTGGG CATGGTGGCT 300 CATGGACTGT NAATNCCAGC ACTTTTGAAA GTTCCGAGGC GAGTGGGTTC ACTTGAGGGT 360 CCGGGGTTTC AAANCCAGCC TNGGCCAACT TGGTGGAAAC CCCTTTTTTA TTAAACTTTT AAANAATTTG GNTGGGCTGG TGGGCGGGGN CCTNAATCCC GGTTTTTCGG GGGTTTGGGC 480 490 NGGGCATTCG (2) INFORMATION FOR SEQ ID NO:393: (i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 230 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: double (D) TOPOLOGY: linear (xi) SEQUENCE DESCRIPTION: SEQ ID NO:393: GGCNCTAGAT GTNGTTAACG GTGTAAAACA GACCAACCCA CAGCGGCCGT ACCTTAACTT 60 CANTCGTCAG GAAGAGGCTC AGCGTCGGGG CCAATAGCGC TCCGGCAATG CCAGAAAGGT 120 AACGCAATCA GCAGGTAAAG CGGTCAAAAA TGGGGATTAA AGCGGCGTGG TNAACCCGTA 180 230 CAGACGTTTC ATATTGTTCN TCCCTGTNCC CTNAACGTNT GAAGTGAGGA (2) INFORMATION FOR SEQ ID NO:394: (i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 293 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: double (D) TOPOLOGY: linear

60

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:394:

AAGAGAAACA GGTTCTCTTG GATGAATAGA AGGNACAGAG AAGGCAGATC CAGGCTTATC	120
CTTCTCGTGT AAGGGTATAG TAAAGAAAGG TCTATGCCGG GCGCAATGGC TCACGGCTGT	180
GAATCCCAGC ACTTTGGGAG GCCGAGGTGG GTGGGATTCA TGAGGTGCAG GNGATCAAGA	240
CCATCCTGCC TAACATGGTG AAACCCGTCT TTNACTAAAA NTGACAAAAT NNA	293
(2) INFORMATION FOR SEQ ID NO:395:	
<ul> <li>(i) SEQUENCE CHARACTERISTICS: <ul> <li>(A) LENGTH: 254 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul> </li> <li>(xi) SEQUENCE DESCRIPTION: SEQ ID NO:395:</li> </ul>	
GGCACAGNAG AAAACAGGCA AAAGAGACAC TTCAGGTGGC ATTGATCTGG GAGAAGAGCA	60
GCATCCCTTG GGCACACCCA CTCCAGGACG CAAGCGANNA AGGAAGGGAG GAGACAGTGN	120
ATTATGAACG ATGATGATGA CGGATGACAG TGAATGGACC AAGGGGATGA AGATGATGGA	180
GGATGAAGNA AGGATAAAGT AAGGACAAAA AAAAAAAAA AAACCNNCGG GGGTNNCTTT	240
	254
TGGGAGCGCC CGTG	232
(2) INFORMATION FOR SEQ ID NO:396:	
<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 401 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
070 TD V0 206	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:396:	
GGCANAGNAG AAAACTGAGC TCGTTGGCTG GTTTCTCAAA AATCCACTCA TTTGATGATT	
GTGGTGGTGT TCACTGACTT TATCCCAAAC CTACATGGAA GGGTGTTCCG GACAGACAGC	
TCTTCCCCAA AGAAAATGTC CTCTTAGCTA AGAGTCCATG TTTTCTTTTC	180
TTTGACAGAG AATGGCATAT GTATATGTGN AGGGCTGGGT CGTGTCGTTT CAAATGGAAG	240
CAACAGAAAA GCAGAGCAGG TGTGTCTGGG GAGTATAGAG ACTGAAGGCT GAANGGTGGT	300
TGAGTTTCTG GGTAAATTGG TGGATGGTTA GTATGTATTG ACTTTGAACT TNCCNTTCTG	360
GAGCATTTGT TAGAAGGCAG NNAATCCACA ANGACAGGGA G	401
(2) INFORMATION FOR SEQ ID NO:397:	

<ul><li>(A) LENGTH: 353 base pairs</li><li>(B) TYPE: nucleic acid</li><li>(C) STRANDEDNESS: double</li><li>(D) TOPOLOGY: linear</li></ul>	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:397:	
GGNAGAGNCG TTGAGGNGCG CGGNGCCGAG GCATAGAGCG TGTCGATCGT GTNGCTCGAT	60
TTGCCACTGC CGCTGACCCC GGTGTATGCA GGTGAAGGTG CCGAGCGGCA GGCTGGCCGT	120
CACGCCCTTC AGATTGTTGG CGGTGGCGTT GTGGACGGTC AGTTTCTTGC CATTGCCCTT	180
GCGATGGGTG GTNGGTACCG CGAACTGCCN NCCTGTNCCG ACAGATAATC GGTGGTTGAT	240
GCTGTTGGGG TTGGTCGAAG TGACTTNCCT TCGTAACGTG GCCCTNCGCG ATNGGATTCG	300
GCCCGACCCA TGGGAACGGC GGGNAACCCG GACCCATGTT CGATGNACAT GAA	353
(2) INFORMATION FOR SEQ ID NO:398:	
<ul><li>(i) SEQUENCE CHARACTERISTICS:</li><li>(A) LENGTH: 304 base pairs</li></ul>	•
(B) TYPE: nucleic acid (C) STRANDEDNESS: double	
(C) STRANDEDNESS: double (D) TOPOLOGY: linear	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:398:	
GGCANAGCTG GNAATGGTTC GCTGAAGAGC CTGGCTGGCA ACTNTTCGCG AAATGGCGAG	60
AGCTGGCAGC CACTCGCTGC CTTCCGGTAT GCCGACCGCG GCGGAATTCG CTGTTGGGGT	120
AGTAGCTTTC GCTGCGCTGG NTAGGCGGTG TAGGAACAAT GCCCGGTTGG TCCATTCGAA	180
ATCGAACAGC ATGCCCAATG CTTCACGCAC GCGCCTGGTC GGCGGAACGC NGNCGCCGGT	240
TNATTCATGG AACAGCGCCT GGGTGTTGCT GGGGAATCCG GTGNAGGTAT CTCGGNCCGG	300
GATG	304
(2) INFORMATION FOR SEQ ID NO:399:	
<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 317 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
TO TO NO. 200.	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:399:	60
GGCAGAGTGA ATTTTNGCCA GTGAACACTT CAGCCACCAC GGTGTATTCG CTAAAGGTTG	
AND COOKER CONCORDED AND COURGE COUTTGTAAGA AAAACGCGTT GTCCTATCAG	120

GCATAACCCC TTTGACCCTG CGTGGCGCGA ACGGCGACAA ACAGATTGGT TTTACCTGGA	180
TTTACAGAAC AGGCATTCGC CACATTCTGC AGTGTAAAGC GGAATTAACG TGATCGCCTG	240
GCACAACGCT GGTCACAACT TTGGCCCACT TNTACCACTA TGNCCGGNAC CTTTNGTGTT	300
CCCAGCAAGG TTTTGTN	317
(2) INFORMATION FOR SEQ ID NO:400:	
<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 212 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:400:	
GGCANAGGGA GTGGTATGNG CTGGATCTGG TGAAAAACCA GGATGGCGCG GTGGTGGGTT	60
GTACCGCACT GTGCATCGAA ACCGGTGAAG TGGTTTATTT CAAAGCCCGN GCTACCGTGC	120
TGGCGACTGG CGGACAGGGG CGTTATTTAT CAGTCCACCA CCAACGNCCA CATTAACACC	180
GGCGACGTTC CNGGCATGGN TATCCGTNCC NG	212
(2) INFORMATION FOR SEQ ID NO:401:	
<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 327 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:401:	
GGCANAGCAG CCCTCAGGCA GCTCCAGCAG CAGATATTTA GCCCGCCGCT GCACGCTAAG	60
CACTGGTTGG TCGCTTAAAC GGTAGATCTC TTCTGAAACC GGCCAGCGCA ANTNCCGTTG	120
CGCACCACTG CATGAAGAAT GGTTGCACCA ACGAAGATGC GGTTCTATGC CGCGGCGGCT	180
GGTTTCAACT TCGGGGTAAT TCAGGCATAG CATCTCCAGG TAATGGAACA GAATGACAGT	240
CAATATGGGG GTCAGGCAGA TNNTCCAAAA AACCCCGGCG GAGGCGAGGT TTTTTTTNA	300
ACATCAAAGG CGAGGANTTN TTTGATT	327
(2) INFORMATION FOR SEQ ID NO:402:	
<ul><li>(i) SEQUENCE CHARACTERISTICS:</li><li>(A) LENGTH: 176 base pairs</li><li>(B) TYPE: nucleic acid</li></ul>	

(C) STRANDEDNESS: double (D) TOPOLOGY: linear

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:402:	
TGCACGTTNN TTGATCATGA CGTGCATGNT GTGTCTTGGG CATTGACANC AACCATGAGG	60
TTGCCACACG GTGCTTGTTG GACAATNGCC ATGTAGGAGT CCACAAGGTT CTGGGTGGTT	120
TCCATTTGCC GNTCCAGCTA TGGGTCCATG GAGTTTTATN AAGCTGTCNN TGCCAT	176
(2) INFORMATION FOR SEQ ID NO:403:	
<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 394 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:403:	
ACAGAGTTTG TCAACCTCAN NNCTACTGAC ATTTGGNGCT GTGGTGTGGG GCCGCCCTGT	60
CCCTGGGNAG GAGGTTGAAA AGCATCCATC GTCTTCACCC ACTTGGTGNC AGGAGCGCCC	120
TCTAGCTATG AATGGACCAA GTTGCCACGT GTGCCTCTAG TGGCAGGGTA GGGAATGCAG	180
TCACCCCCAG GTGAGGGACC ACGGCTTTCC CTCAAGTGTC CAGGGATAGC CTCTNCCGAA	240
TTGGTGACAT TGGGAATCCA GATGTGGAGG AGGTGGGGAA AAGGGNCCTG TGGGATAAGG	300
TTAGGGGAAG AGTTTTTTCC AGGTTCGTTA GGTGGGGAAA GGTTTNCCAA GGGCANGGAA	360
TNTTNCCCCC CGGGGCAANC AGAAAAGGGC CATT	394
(2) INFORMATION FOR SEQ ID NO:404:	
<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 439 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:404:	
GGCAGAGCAG GTCCAAGGCC TCGCAGAACC GCAACATACC TGTAAGCACC TGGGCGCCTT	60
TAGGGTCATG CTGGGCAACC ACAAAACTGC GGTCGATCTT GATGAAATCC ACAGGAAACT	120
GGTGCAGATA GCTCAACGCA GAAAACCCAG TGCCAAAATC ATCCAGATAG ACCTTGGCGC	180
CCATGGCCTG CAACTTCTGG ATGGTCTGGC GGGTGGCCGG GATGTCGCTG ACCAGGGCGT	240
CTTCGGTAAT TTCCACTGAA ACTTGCCCAC GGGCCTGGCG AAGAATTTNC ACCAGGCGGT	300
CGCCATAGGG GCGTCCTTTG NAGCGTGGTG CTGGAAATNT TGATGGGTCA TCGGCAGTTT	360

CAAAACCCAN CTTTTGNCCA TTTCTGATAA TTGGNGGCAA	CAACCTGGGG	ATTGCCACCC	420
ACAAGTTTAN GTNCCGGGA			439
(2) INFORMATION FOR SEQ ID NO:405:			
<ul><li>(i) SEQUENCE CHARACTERISTICS:</li><li>(A) LENGTH: 127 base pairs</li><li>(B) TYPE: nucleic acid</li><li>(C) STRANDEDNESS: double</li><li>(D) TOPOLOGY: linear</li></ul>	: · · ·		
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:40	05:		
GGCAGAGACT TGAACCAGGG AGGTGGAGGT TGTAGTAAGC	CGAGGTCGTG	TNACCACACT	60
CCAGCCTGGG CGACGGAGTG NGGACTTTGT CTAAAAAAA	ААААААААА	AAAAAANNTC	120
GGGNGAA			127
(2) INFORMATION FOR SEQ ID NO: 406:	·.		
<ul><li>(i) SEQUENCE CHARACTERISTICS:</li><li>(A) LENGTH: 179 base pairs</li><li>(B) TYPE: nucleic acid</li><li>(C) STRANDEDNESS: double</li><li>(D) TOPOLOGY: linear</li></ul>			
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:40	06:		
AAGACTGNAN CANCCNAACA GGNCCAGGAA GTACACGAGA	AGCTCTGTAG	GATGGCTTAA	60
GTCCAACGTC TCTGAATGCG GTGGCTCAGA GCACCCGTAT	CATTTATGGA	GGCTCTGTGN	120
ACTNGGGCAA CCTGGAAGNA GCTGGCCAGC CACCTNNTGT	GGATGGCTTC	CTTGTGGGT	179
(2) INFORMATION FOR SEQ ID NO:407:			
<ul><li>(i) SEQUENCE CHARACTERISTICS:</li><li>(A) LENGTH: 372 base pairs</li><li>(B) TYPE: nucleic acid</li><li>(C) STRANDEDNESS: double</li><li>(D) TOPOLOGY: linear</li></ul>	,		
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:40	07:		
GGCACAGCGA ATACGTACAC CGTATCGGTC GTACCGGGNG	GGCCGGCAAC	GATGGCCTGG	60
CGATCTCGNT GATCTGCCAT GGCGACTGGN ACCTGATGTC	GAGCATCGAG	CGCTACTTGA	120
AGCAGTCGTT CGAGCGCCGC ACCATCAAGG AAGTCAAAGG	CACCTACGGC	GGGCCGAAGA	180
AAGGTCAAGG CGTCGGGCAA GGCTGTTGGC GTGAAGAAGA	AAAAGGTCGA	CGCCAAGGGG	240

	300
GACAAGAAGA AGGCCGGTGC CAAGTCGCCG ACCAAACGCA AGATTGCCAA CCGTCCGTAG	360
ACCGACAACC TGTTCGTTGG TTCAGCAAGG TTGGGCATGG GGNCTTTGAA AGCGNCGNAA	372
AGCCNGNAAG CA	3,72
(2) INFORMATION FOR SEQ ID NO:408:	
<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 214 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
NO. 408 ·	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:408:	60
TARGET TARGET GETCCCTGCC TGGACCCAGC CTCTNCTGTT GTCCCCAGAC	60
GGTCACGAGG TITO	120
GGTCACGAGG TACCCAGTOT  CACAACGAGT NTNCCACCAG CACCATGTCG TNCTAACGGC GTGTGTCTCA ACGAGGATGG  CACAACGAGT NTNCCACCAG CACCATGTCG TNCTAACGGC GTGTGTCTCA ACGAGGATGGC	180
CACAACGAGT NTNCCACCAG CACCATOTO  CAGCTNCTCC TGCCTCTGCA AACCCGGCTT NCTGTTNGCG CCTGGCGGCC ACTAACTGCA	100
CAGCINCICC TGCCTCTGCA AACCCCCCC	214
TGGGTAAGCC TGGAGCCAGA NTGGCCAGCG GTNG	
(2) INFORMATION FOR SEQ ID NO:409:	·
<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 512 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:409:	
GGCACGAGCG GAGATGCCGG TGGTCACGCC GGTGGNGCTT TCGATGGACA CGGTAAACGC	60
GGCACGAGCG GAGATGCCGG 1G010111	120
GGCACGAGCG GAGATGCCCC GGCACGAGCG GAGATGCCCAGCCCAGCCCAGCCCAGGCCAGG	180
GGTGCTGAAC ACGCTGCCATC  TTCGTCGGTG AGGGTCAGGC AAATCAGGCC ACGCGCTTCC CGGGCCATGA AGCTGATAGT  TTCGTCGGTG AGGGTCAGGC AAATCAGGCC ACGCGCTTCC CGGGCCATGA AGCTGATAGT	100
TTCGTCGGTG AGGGTCAGGC AMITOTO	240
TTCGTCGGTG AGGGTCAGGT AGGGTCAGGTC AGGGTCGCCT TCGTTCTCCC GATCCTCGTC CTCGGCGGTG CAGCACACCC GGGNCAGCAA CAGGTCGCCT TCGTTCTCCC GATCCTCGTC	200
GTCCACCAGG AGCACCATTT TGCCCTTGGC GGTAGTCTTC GATGGTGTCT GCGANTGTTG	300
GTCCACCAGG AGCACCATTT TOTAL	360
GTCCACCAGG AGCACCATTT  TGGTTGTNAT GTATTNTGGT NTTACCACAA  TTGAAAGACA TGGTGGNTGN TCCGATTTAT TGGTTGTNAT GTATTNTGGT NTTACCACAA	420
TTGAAAGACA IGGIGGATEN TO THE TOTAL TOTAL TOTAL CONTROL OF THE TOTAL CONT	480
AACCAAGCAA GAGGATOTTO TO THE ACCEPTAGE OF THE ACCEPTAGE O	512
TTTTGGCGGG CGTTTCCTGG GCCANGGGGN TN	512
(2) INFORMATION FOR SEQ ID NO:410:	
(i) SEQUENCE CHARACTERISTICS:	
· (1) 0120	

<ul><li>(A) LENGTH: 283 base pairs</li><li>(B) TYPE: nucleic acid</li><li>(C) STRANDEDNESS: double</li><li>(D) TOPOLOGY: linear</li></ul>	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:410:	
CCCACGAGGT AAGCCCCCCC GTCGNTGTAG TGGAACAGAA ACGGCGGAAG TTTACTTTTT	60
CCCCCCCTCC GGTAGTCCGT TGAAGCAGAA ATAATCATCG TAGTTTCTCG TNATTNTTGT	120
THEOCETA A C GGTGTAGTGG TAAAGGTTGT CCCCAGCAAG TGTAGTTTAG ATAAATCAAG	180
GTGATGGAAA TTAAACCAAC GAGATCGCCA TAAACAGACT AAGCTCCAGA AGAGACGCTC	240
GCTTCAGGTG TCCTGCGCGN AATGCCTNCG NNGCCTTGGA CCN	283
(2) INFORMATION FOR SEQ ID NO:411:	
GROVENCE CHARACTERISTICS:	
(A) LENGTH: 346 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: double (D) TOPOLOGY: linear	
(D) TOPOLOGI: IIIIO	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:411:	
(xi) SEQUENCE DESCRIPTION. DEG ==  GGCACAGGCC GGTTGCCGNT AATCCGCAGC NACTGGTGGG CGGCACTGCT TTACCGCCTG	60
GGCACAGGCC GGTTGCCGNT AATCCGCAGC NACTOOTO  CGAGGCACCC TGCGGAAAAC AACCTGNACG GCAAGACCGG CTCCATGAGC GGCGTGTCGT	120
CGAGGCACCC TGCGGAAAAC AACCTGNACG GCAACACCCA ACTG GTGTTTTCAA TGGTGACCAA	180
CNTTAACTGG GTATGTNACC GATGCCAATG GGCGCAACTG GTGTTTTCAA TGGTGACCAA	240
CANTTACGTG GTCGCAGGCG CGCGGNTCAA GGCGCTGGGA AAACCGCCTG GCCACGGCAC	300
TGGGCCAACA GCACGGACTT ATTGAGCACC GAAGATCAAA TTGTACGNGG GGCTTGCTCC	346
GGAATGGGGT NGTGACANTC CAACACNTGT TACTGATTTG NTCCCA	
(2) INFORMATION FOR SEQ ID NO:412:	
<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 282 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:412:	
(xi) SEQUENCE DESCRIPTION. SEQ 15  GAGTGCAGTG GTCTGATCAT GGCTCACTAT AGCTTCANTN TCTAATCCTC CCGCCTCANC	60
GAGTGCAGTG GTCTGATCAT GGCTCACTAT AGCTTCAGTAT  CTTCCGGTAG CTGGAACTAC AGGCGGACAC GCATGCGCAT ATTTTAAGTA GAGACGGGTT	120
CTTCCGGTAG CTGGAACTAC AGGCGGACAC GCATGCGCTT TOO	180
TCGCCATGTT GCCCAGGCTA GTCTCTCCAL	

GGCCTCCTAA AGTGCTTGGC TTACAGGCGA GCCACCACGC CTGGCTCCAG ACTTTTTTTT	240
TTTTTTTTT TTTTTTNAA AAAAGGGNTT TTTTNTAANN AG	282
(2) INFORMATION FOR SEQ ID NO:413:	
<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 313 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:413:	
CCCACACCCC CNATCCAGCT ATTCATNGGG TGCGGTTGCN CCGGGTTTCG ATNATGTTCG	60
GCAACTGGGA AATCCGCCCC AGCAACCGTC CCANTGCGTC CAACCCCGGA ATCTCGATGG	120
GCAACTGGGA AATCCGCCCC TOUTH	180
TCAGGGACAT CAMBOOTO	240
TGATCCGCTN GTTGAGCAGG CACTTOTOTOTOTOTOTOTOTOTOTOTOTOTOTOTOTOTO	300
TTAGGCACGG TTGGATAATG TGCCACCGGG ATACCTOS	313
TGNACCTGNG NTG	
(2) INFORMATION FOR SEQ ID NO:414:	
<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 455 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:414:	
GGCANAGTTG GAAACTTACT TGAAAATCGG NCAAGGCAAA ANTTTTTTTT GTTTTTTT	60
GGCANAGTTG GAAACTTACT  GGCANAGTTG GAAACTTACTTCAA AAAGAAACTT GTNTTCGGAA GTTGAGAATG  GTTTTGTTTT TAGTTCCATG TATACTTCAA AAAGAAACTT GTNTTCGGAA GTTGAGAATG	120
GTTTTGTTTT TAGTTCCATG TATACTTCCA CCACTGGGCG CGGTGGCTCA TCCCTATAAT TCCAACACTT TGGGAAGGCT GGAGTGGGCG CCACTGGGCG CGGTGGCTCA TCCCTATAAT TCCAACACTT TGGGAAGGCT GGAGTGGGCG	180
CCACTGGGCG CGGTGGCTCA TCCCTATAAT TCCATGGCAA CATAGTGAAA ACTCCTCTCT GATCACTGGG AGCCCAGGAG TTCCAGATCA GCTTGGGCAA CATAGTGAAA ACTCCTCTCT	. 240
GATCACTGGG AGCCCAGGAG TTCCAGATCA COCCTGTNTT CCCAGCTACT CCGGAGGCTG	300
ACAAAAAAT TAGCCGGGTA TGGTGGCAGG CGCCTGTNTT CCCAGCTACT CCGGAGGCTG	360
AGGCGGGGAG GATCACTTGA GCCCCGGGGA GGTCGAGGCT GCCATNCAGC CATGATTCCC	420
ACCATTACAT TCCANNCCGG GGNAACAGGT TTAAAAAAAA AAAACNCGGG GGGTATTTTT	455
AGGGGGCCCG GGGGCCCCTG CGTTTTNCCC CCCGG	
(2) INFORMATION FOR SEQ ID NO:415:	
(i) SEQUENCE CHARACTERISTICS:	

<ul><li>(A) LENGTH: 398 base pairs</li><li>(B) TYPE: nucleic acid</li><li>(C) STRANDEDNESS: double</li><li>(D) TOPOLOGY: linear</li></ul>	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:415:	
ACTTTTNAAA CCCGAAACTG AAGACACTCA TCATCAACCG AAATGTCGAC TGNCGTTCCG	60
TCTCTCGGGG AAATCAACGC CCTCAACGTG CCCTCCCTTC CGGGCAACCT GAACAAGCCC	120
AATCAGACCC CCGCCTGGAC CAGCAACCCT CTGTTTGTNT ATNTNACCGA GACGTACAAC	180
AATCAGACCC CCGCCTGGAC CAGCATIOUU ACCATTGCNT CGAAGCGNAG TGGNCCTGAA CCTCCTTAAA CCCCGGAACC CTGGAGAACC	240
ACCATTGCNT CGAAGCGNAG TGGNCCTGAA CCTGGTCTTCAC CGGTTTGCGG TCAACAAGGA GGTGTNCAAG GACGTGTTCC TCACCAACTA CTTCTTTCAC CGGTTTGCGG	300
TCAACAAGGA GGTGTNCAAG GACGTGTTCC TCACCMTGTT TCCAGTGTTC CCATTCTTTT	360
GCCGAGATCT TCCAAGACAT TTCAGCATGA ACCCNGNCTT TCCAGTGTTC CCATTCTTTT	398
TTTTGGGGGT TCCAAGGTGT TNCCCCCTTA GGGNTTTN	
(2) INFORMATION FOR SEQ ID NO:416:	
<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 111 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:416:	60
TCANCATATG CATTTTTTGG TGCAACTTTN CGGGAGGNGC ATAAGAAGGA AGTCACCCGG	
ATGCTTCANT CAACTTGCTC ANAGGTTTCT AAGAAGTGGC TCAGAGNGGT T	111
(2) INFORMATION FOR SEQ ID NO:417:	
(i) SEQUENCE CHARACTERISTICS:  (A) LENGTH: 353 base pairs  (B) TYPE: nucleic acid  (C) STRANDEDNESS: double  (D) TOPOLOGY: linear	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:417:	60
GGCACAGGTG ATCGGNACCC AGNTCGAGCA CGTNCCGGCC ATGCTGGAAA CCATCTTCAA	120
GAGCGCCTTC GGCCTCGACC CGGCATTCGG CGGCCTGGTC GGCACNCCAT TGTNATGGGT	
GTAAANGAGG TGTGTTCGCC AACGANNCAG GCCTGGGCCA GTGCGCCCAA CGTCGCCGCC	180
GTANGCCGAT TNAAACACCC CGGTGCNCAA GGCGTGGTCC AGGCCTTCAG CGTGTTCCTC	240
GATACCTTCG TGNATCGGCA CCTGCACCGC GTTGNCTGAT CCTGNTGTCG GGGTTCTAAC	30

ACCNCAGGNT TTCGAAGGTG AATGGGNATC GTGCTGGACC CAGAATTGGG TGG	353
(2) INFORMATION FOR SEQ ID NO:418:	
<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 481 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:418:	
CGGGAACAGG TTGGNATCAA TATTCTCCNC TGGCGTNAAG ATCANCCCGT NATCCGNCGC	60
AAACTNTTAT TACAAACCAC GCAGGAATCG ATTGAGAACC ATTGGCCGTT TCGTCGGCTA	120
TGAANGATCA GCTGTATTTT TGGCGGGTAT TCCGCAAGCG GGTTGGAGTG AAGCCCGANT	180
TGAANGATCA GCTGTATTT TOOTH TATCCTGCTA AACCGTATAA AGCGCCGGCG AATTTTGGTC GCCGCACGTG GNAGATTAAT TATCCTGCTA AACCGTATAA AGCGCCGGCG	240
AATTTTGGTC GCCGCACGTG GMACATTTTTAA GGCTTTGTTA AGCCTGAGAG TTTTTTTTGC GGATAAATGC GAATTGCATA CCATTTTTAA GGCTTTGTTA AGCCTGAGAG TTTTTTTTGC	300
GGATAAATGC GAATTGCATA CCATTTTTO  AAGGGAACCG CTTGCTAAGG GCGGTTTTNC CACCTTTTCC CTCGGNGTGG ATTTTTTGAA	360
AAGGGAACCG CTTGCTAAGG GCGGTTTAC COORDANA AAGGGAACCA CAGGNTTTTT AAGGGTCCAC AAATTTNCCC CGGGTTCAGG GTTCCTTTTT  ACGGGAACCA CAGGNTTTTT AAGGGTCCAC AAATTTNCCC CGGGTTCAGG GTTCCTTTTTT	420
ACGGGAACCA CAGGNTTTTT AAGGGTCCAC AATTTOOR  AAAAAAAAGGC GAGATTGGTG CGNATCCAAA AATTNCNCTT GAACGGATTG GNCAGGGTTT	480
AAAAAAAGGC GAGATTGGTG CGNATCCAAA AATTNCKCTT	481
т	,
(2) INFORMATION FOR SEQ ID NO:419:	
<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 132 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:419:	
TCGAATTCCT GGACTCAAGC AATCCTCCCG TNTNAGCCTC CCAAATTGCT AGGGTTNTAG	60
TCGAATTCCT GGACTCARGO TETA	120
$\cdot$	132
AAATTNAAAN CA	
(2) INFORMATION FOR SEQ ID NO: 420:	
<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 357 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:420:	60
CNANCETTCE ATCGGNTNAC CGCTGCGTTG CCACGGGCGC TTGAAGGTGC CCATGCCAAA	120
CATATCCGNC CCCGGCCACA CAAAGGTGTG CCAGTGAACA GGCGGCCATG CGCAGGTGCT	
CONSCIPTING GTTTGCCGAG GGATCAGCTT GTTTGCNTCG TAAATGGCGG AAGGCGAGGG	180 240
CACACTCCCT GGCAAGGCCT TCGAAGCGCA CCTGATTCGA CAACGGGGAN NTTACGGGCA	300
TECCNOTTTT CCTTATTGTT CTTGGGCGAT GTTTGGGTTA TTAGCAAAGG NACCTGGGGT	357
TGCTGNTTTT TGGAAATTAA CCAAGGTGTA NTNGCGGTTT TGAGTTGGNG AGGGTTA	
(2) INFORMATION FOR SEQ ID NO:421:	
<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 517 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:421:	60
GGCACAGCAG CNCTCAGGCA GCTCCAGCAG CAGATATTTA GCCCGCCGCT GCACGCTAAG	120
CACTGGTTGG TCGCTTAAAC GGTAGATCTC TTCTGAAACC GGCCAGCGCA ATTGCCGTTG	180
CACTGGTTGG TGGGTAATT GGTTGCACCA ACNAGNATGC GGTTCTATGC CGCGGCGGCT  CGCACCACTG CATGAAGAAT GGTTGCACCA ACNAGNATGC GGTTCTATGC CGCGGCGGCT  GGTTTCAACT TCGGGTAATT CAGGCATAGC ATCTCCAGGG ATGAACAGAT GGAGTCAATA	240
GGTTTCAACT TCGGGTAATT CAGGCATAGC ATCTCCAGGGGGGGG TTTTTTTTTT	300
TGGGGGCAAG CAGNTATCAA AAAACCCCGG GGGCGGGCGGGCGGAACAACTGG CGGAGAATTA TTTGATTTTG CGCTTCTTTG TAGATNCACG TGGCTGGGCG GAACAACTGG	360
CGGAGAATTA TTTGATTTTG CGCTTCTTTG TACITITOTO  GNCCGAATTT TTTNANTTNC CAATTTTTTC CGGCTTNANN ACGTTTGTTN CCTTCGTAGT	420
GNCCGAATTT TTTNANTTNC CAATTTTTC CGGCTTMAM TO GOOD TO G	480
GGNTNTAGAA GNGNCCCANT ACCNGNAGGA COLLEGA	517
CTTTAGNCCA GGNTTTTTC CCNTAAGNAT TNAGACT	
(2) INFORMATION FOR SEQ ID NO:422:	
<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 459 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:422:	_
GGCAGAGCAG CCCTCAGGCA GCTCCAGCAG CAGATATTTA GCCCGCCGCT GCACGCTAAG	6
GGCAGAGCAG	12

CNCTGGTTGG TCGCTTAAAC GGTAGATCTC TTCTGAAACC GGCCAGCGCA ATTTCNCGTT

120

GCGCACCACT GCATGAAGAA TGGTTGCACC AACGAGATGC GGTTCTATGC CGCGGCGGCT	180
GCGCACCACT GCATGAAGAT TOO  GGTTTCAACT TCGGGTAATT CAGGCATAGC ATCTCCAGGA ATGAACAGAT GCAGTCAATA	240
GGTTTCAACT TCGGGTAATT CHOOSES TGGGGGCAAG CATNTAACAA AAAACCCCGC CGGAGCGAGG TTTTTTTTTT ACATCAAAGC	300
TGGGGGCAAG CATNTAACAA AAAACCCCCC TCCTTGTAG ATCACGTGCT NGCGAACAAC TGGATCGATT GAGATTATTT GATTTTCCGC TTCTTTGTAG ATCACGTGCT NGCGAACAAC TGGATCGATT	360
GAGATTATTT GATTTTCCGC TTCTTTGTAG ATCASCO TCGTAGTGGT ATAGAAGTGA	420
TTTTTCAGTT CCCATTTTC CGGTTTAGTA CGTTTTNCCN TCGTAGTGGT ATAGAAGTGA	459
CCCATTANCC GCAGAGGAAA CCATTTGATT TTNTCANGG	
(2) INFORMATION FOR SEQ ID NO:423:	. •
<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 391 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:423:	60
GGCACAGGTT TTTNGGGCTC AGTTCGTGGT GCCAGCTGCC GTGGGTGCGG TGAATGAAAC	120
THE STEER OF A CALCUCCAG AAGCGCCGGT ACCAGGTTTC GTAATGCAGC TCCCCCGTGC	
AND THE PROPERTY OF THE PROPER	180
CONCURNINGE GCCTGGCTCC AGTCGAGGGT GTAGACAATG CCGGGGGGCGC CGTCGACGGC	240
CCAGGCGTAT TCACAGGCGC TGGCGAACAG GCCCTTGGCG TCGGTCACTA ACCACTCAGG	300
GGTGACGAGC CCGGCATCCA GGCGCGCACT TCAGGGTGCA AACCANTCGN GCCCATTGAA	360
ACCNTGGCCC GGGGGTGATN CCNTAGGGAC G	.391
(2) INFORMATION FOR SEQ ID NO: 424:	
(2) INFORMATION FOR SEQ TO SEQ (2) INFORMATION FOR SEQ TO SEQUENCE CHARACTERISTICS:  (A) LENGTH: 452 base pairs  (B) TYPE: nucleic acid  (C) STRANDEDNESS: double  (D) TOPOLOGY: linear	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:424:	60
GANTTGGCGG TCAGGTCACC GGCGGCTTCC ANGGGCGAAA TCAGGAAGAT CACCGCCACC	120
GGGATAAACG CCACCCAGTC GAACGAAAAA CCGTACTTGA ACGGCACCGG TACGCTGATC	180
AGTGGCAGCT GGGGCAGGGC GCCCAGGTCG ACGCGGCCCA TCCACCAAGC CACCACAAAA	240
CCCAGGGTCA GGCCGATCAC GATCGAACCC AGGCGCAGGA ACGCTTTGTT GGAAGCGGTT	300
GAGCACCACG ATGGTCAGCA GCACCAGGNT CGCCACCATN NTTTTNCCGG CGGNGCCCAG	

GTCGTTGGCG CCATNAACCG CCGGNCATGT TCGGTGACGG NCACTTGNTC AGGGACAAAC	360
CCTTCAAGGT AATGATGGTG CCCGTGAACC ACCGGGGTGT TTAATTTGGC CATTTNCCCG	420
TTGAAATGTT TGNGNACCNT TTGNTTAAAA GC	452
(2) INFORMATION FOR SEQ ID NO: 425:	
<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 342 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:425:	
(xi) SEQUENCE DESCRIPTION. SEQ 15	60
ACACCAACTA CCAGTATCAC CGGCACTTOT  GTNTCAGAAA GCGGCGTAAA CCAGCCGCCA GCACCTTCCA CTAACACCCA GTCAGCCTGT	120
GTNTCAGAAA GCGGCGTAAAT CCGGCGCTCA TTACCAATGA ATTCTATCGG TCTGCCCTCT TGTNCAAGCG CCGCGTAAAT CCGGCGCTCA TTACCAATGA ATTCTATCGG TCTGCCCTCT	180
TGTNCAAGCG CCGCGTALLT  TGCGCCGCTG GATGATGTGC GGCGNAGTGG GTTCTGCGAA NGTGTGAAGG NTTTACTGTT  TGCGCCGCTG GATGATGTGC GGCGNAGTGG GTTCTGCGAA NGTGTGAAGG NTTTACTGTT	240
GCGTAATCCA GCTGCAGGCT GCTGTTGCCC TGTGAACGCC AGGCGTCGCT ATTGCGTGAA	300
GCGTAATCCA GCTGCAGGCT GCTGTTGG CCCTTCCGGG GTNTTTTCCG NTGNCANTGG NGACCGGTTT TT	342
·	,
(2) INFORMATION FOR SEQ ID NO: 426:	•
<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 377 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	·
ano in NO.426.	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:426:  GGCACGAGGN CAGCCAGACC TTGCCGGTTC CCGACGGCCT GGACTGGATT CAGGCGGCAC	60
GGCACGAGON CAGCCAGACC TTGCCGGTTC CCGACCGGTT CGGCATCGGC GGTGCGCATA  GAATCCCGGA AACCTTCTTC ACCGTATGGG CCAACCTGTT CGGCATCGGC GGTGCGCATA	120
GAATCCCGGA AACCTTCTTC ACCGTATGGG CCAACCTGTT  AAGGCCAGCG CGTNTTGATC CATGGCGGCA CCAGCGGCAT CGGCACGACC GCGCCTGATG	180
AAGGCCAGCG CGTNTTGATC CATGGCGGCA CCAGCGGCTT  CTCTGCCGCG AAGTTCCATA TCGAAGCGTT CGCCACCGCC GGCAGCNTGG NAAAAATGCG	240
CTCTGCCGCG AAGTTCCATA TCGAAGCGTT CGCCACCOCC	300
CCGNCATCCG CGAAGCTGGN TNCCGAGCCG ATCAACTACC GGGAACAGAA TTTCGCCGAG CCGNCATCCG CGAAGCTGGN TNCCGAGCCG ATCAACTACC GGGAACAGAA TTTCGCCGAG	360
GTCATCGCTG ACAAGACCGC AGCGANAGGN TGTCAATGTN GGTCCTTCGA AATCATGGGT	377
GGCTNCTACC TGANCGG	
(2) INFORMATION FOR SEQ ID NO:427:	
(i) SEQUENCE CHARACTERISTICS:	

<ul><li>(A) LENGTH: 80 base pairs</li><li>(B) TYPE: nucleic acid</li><li>(C) STRANDEDNESS: double</li><li>(D) TOPOLOGY: linear</li></ul>	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:427:	
GGCACGAGGG AAGCACGGCC CANCCNTCCG GAATTCAACA TTGGCTCAGC AGGGAATTCA	60
GCCCANCCCA CGGNACCTGN	80
(2) INFORMATION FOR SEQ ID NO:428:	
<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 490 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
GPO TD NO: 428:	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:428:	60
CNNCTGCAGG TCGACACTAG TGGATCCAAA GAATACAGCC GAGTTTCACA CCAACTACCA	120
GTATCACCGG CAGTTGTNCC TGTNTNACCC AATCTGCAAA AGTNAAAGTN TCAGAAAGCG	180
GCGTAAACCA GCCGCCAGCA CCTTCCACTA ACACCCAGTC AGCCTGTTGT NCAAGCGCGC	240
GTAATCCGGC GCTCATTACC AATNATTCTA TCGGTCTGCC CTCTTGCGCG CTGATGATGT	300
GCGGCGAAGT GGGTTCTGCG AAGGTGTAAG GATTTACTGT TGCGTAATCC AGCTTGCAGG	
CTGCTGTTGC NCTGTAACGN CAGCNCGTCG CTATTGCGTA AAACCTTCCG GGGTCTTTTC	360
CCTTGCCAGA GGCGANCCGG TTTATAAAAC CTGCCGTNCC GGTAGCCTGT NGGCTTTTTC	420
NGGGTTGGTA AAAAGTNGCA CAATTGGGGG AACAATTTTT CCCCCANTTT GGGGTATCCC	480
GTTTCCGGTG	490
(2) INFORMATION FOR SEQ ID NO:429:	
(i) SEQUENCE CHARACTERISTICS:  (A) LENGTH: 359 base pairs  (B) TYPE: nucleic acid  (C) STRANDEDNESS: double  (D) TOPOLOGY: linear	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:429:	
(X1) SEQUENCE DESCRIPTED (X1) SEQUENCE DESCRIP	60
GCTGAATATN ATCGAGTGCT GGGGCGATGT TOTAL COTGGATCH TOTAL COTGG	120
CATGGCGGTC AAGCTCAAGG AGGATGAAAC ONTOO	180

$\sim$	240
GCAGACGTCA ATCCGATGCC GTTTGATGGG CAACGGGATG GATCTATGGC GGATTTAAGA	300
TGATCCTCAA CACCTGAGGC CAGGCGTTCA TGGGACGGCG GCTTTANTCC CGATTCGTCT	359
NTTCGCANGG TTAGGACCGA CGATAAATTC TGGGTTGCAA GACCANTGNC GAAAAAAGT	223
(2) INFORMATION FOR SEQ ID NO:430:	
<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 357 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
GEO ID NO: 430:	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:430:	60
GGCACGAGCA AAACTCTGCT AAGGACCATA AGCATATTTN ATCACTTGCA GAGAGGCATC	120
ACTGTCACCC CAATTTACAG ATGGGAAACT GAGCAGAAAG TTGTTAAAAC ACCCAGCACT	
THEOCONGCC GAGGTGGATG GATCACTTGG ATCTCTGGAG GTTGGAAGCC AGCCTGGGGA	180
ARCHACCAR RACCCCATCT CTACAAAAAA AATCCAGAAA TTAGTTGGGT GTGGTGGCGC	240
ACCATAGCAA 1210000000000000000000000000000000000	300
ACGCTGTGAG CCCCAGCTGC TTCAGAAGGC TOGG CCCACTGGCA CTTCGGNGCC TGGGGGCAAC AGGNGACCCT GTTTTCAAAA AAAANNN	357
(2) INFORMATION FOR SEQ ID NO:431:	
<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 339 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:431:	
NCGATATCGC CACGNTCGTT CAAATACTTG AAGTCGACGT TCTGTGAACC GCTGCCATGC	60
AGATGAATTT NTCCTGTNCG GCCGGCAGTN CGTTGAACGG CACTTCCAGG GCTGAACTTG	120
AGATGAATTT NTCCTGTNCG GCCGGCAGTN COTTON TAGTGCGAAA NCAGACGAAA CCCAGCATCT GGAAGTAATA GACGTTACGC CTGTCCCCAG	180
TAGTGCGAAA NCAGACGAAA CCCAGCATCI GGAACCAGGCG CTTGATTGTT	240
NCACGTATCG CACCCTTCCG NCAGTNTGNA GGTCACCGTT GAACCAGGCG CTTGATTGTT	300
CGAAGAATTG CTTTAACCCN CAGGNCATCA CAGGTTCGGG CAAGTGNCCG GCCGGGGTTG	339
TTTNAAAGGG AAAAACAAGT TTCGGTTTCC AANTTCGCT	
(2) INFORMATION FOR SEQ ID NO:432:	
(i) SEQUENCE CHARACTERISTICS:  (A) LENGTH: 58 base pairs  (B) TYPE: nucleic acid	

(C) STRANDEDNESS: double (D) TOPOLOGY: linear	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:432:	
GGCAGAGGNC GNCGGCGGNG GCGGCGGGN ACTCGGACTC CTGGGACGCC GACGCTTN	58
(2) INFORMATION FOR SEQ ID NO:433:	
<ul><li>(i) SEQUENCE CHARACTERISTICS:</li><li>(A) LENGTH: 367 base pairs</li><li>(B) TYPE: nucleic acid</li></ul>	
(C) STRANDEDNESS: double (D) TOPOLOGY: linear	
PROCEEDINGS OF THE NO. 433:	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:433:	60
GGCANAGTTT GCATTTAGGA GAAGGGCAGA TGGTGTGTGG TCGAAAGCTC ATGGGACTGT	120
AAATTGGTAG ACTTTTTTAA AAATCCAGCT TTTGCCCCTA ACTTTTGGTC TCGGAGACCT	180
CTGTCCTTTA ATAACTAGAA CTGTAGGCCG GGCGTGGCGG CTTCATGCCT GTAAATCCCA	
GCACTTTGGT AGGGTGAGGC GGGCGGATCA CAAGGTCAGG AGTTTCGAGN ACCAGCCTGG	240
CCCAGCATAG TGGAACCCTG TCTCTAGTAA AATTACAAAA TTTAGCCAGG CATGGTGACG	300
TGCGCCTGTA GTCTTCAGCT ACTTGTTAAG GGNTGGGGGC AGGNGNTTTG CTTTGNAACC	360
CGGGGNG	367
(2) INFORMATION FOR SEQ ID NO:434:	
<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 287 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:434:	
AGCTTCCAGG TTGAAGCCGG NGAGCGCGTG GCGATCATCG GCCCGAACGG TATCGGCAAG	60
ACCACCCTGC TGCGTACCCT GGTCAACGAA CTGACTCCGG ATGCCGGTAC GTGCAAGTGG	120
TACCGACGCG GCTGAAACTG GGCTATTAAC GCCCAGAACC ATGCTTCGGA ACTTCAAGGA	180
CGAAGTCCAA CCTGTTNCGA CTGGGTTGGG CCGCTGGACC AAGGGAAGGG CGAGCAAGTG	240
NGTTCGCGGT ACCCTGNGGC CGCAAACTGG TTCTTCCAAC GANGNGG	28
(2) INFORMATION FOR SEQ ID NO:435:	
(i) SEQUENCE CHARACTERISTICS:	

(A) LENGTH: 346 base pairs(B) TYPE: nucleic acid(C) STRANDEDNESS: double

(D) TOPOLOGY: linear	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:435:	
GGCACAGTAA AAAGGTTGAA AATGGCTTTT TTCCACTAGG AAGGCTGTGG GGACATAAGC	60
TGACAACTAC CCTACATGGA ACAGGCAACC CCGTCATGCA AGTAGGCCTC TCTCCCAAAG	120
GCACCTCCAT CCCTGCTGTC ATGTGGCACA GATGAGCACA CCTACTACGT CACAATGCAG	180
TGTAGCCACG CCAGACTGGA CCAAGGACAC ACTCTTAGCC TTCTCTTCTC	240
CTTTATTAAT CTTTAANCCC ACACATCCGT GGTTGGGAAA GGTGTCCTTT GATTCTTCCA	300
AAATTCAAAA GGGCNTTCCC TGNTATGGNT GTCTGGGATT TATNTT	346
(2) INFORMATION FOR SEQ ID NO:436:	
(i) SEQUENCE CHARACTERISTICS:	
(A) LENGTH: 413 base pairs (B) TYPE: nucleic acid	
(C) STRANDEDNESS: double (D) TOPOLOGY: linear	
(b) Torozoor. Tinear	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:436:	•
GGCANAGCTA GTNCTTTNTT CCATAAAAA AAGTCGTGCC TGTGGTTATG AAAAAATGTT	60
CAACTAACCT AGAAGAGTTC AGCTACCAAG TGAAGGATTA TGGGAAAGCA GTATTTTTTC	120
AGACCTGGGT ATGCATGAGT GAATACCCAT GAAAGCTTTA TGAAAAATAT ACATCTCCTG	180
GGCCCCTATT AATCAGAATT TCTGTGGGTG TGGCCTCCAA GTTCATACTT TAAAATGGGA	240
TCTCCACATA ATTCCATGTA CACCCAGGCT GGGTAAAACA CTGAGTTTCA TGTATTTATT	300
ACTATTCCAG AAACAAACAC AAACTCTTGG GGTGGGATTT TAAAGGGNGC AAGGTTTTTN	360
GGNTGGTGTT AAGCAAAGCC ATTTTTNAAG TTGGTCTNTT GGCAACTCCA AGG	413
(2) INFORMATION FOR SEQ ID NO:437:	
<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 325 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:437:

AANCTANCGC NANGNGCGCC TGCAGGTCGT ACACTAGTGG ATCCAAAGAA TTCGGCACGA

60

GCGTGCACCT GGCGATTCCG AAAAGCTCGG TGTTCGTGCG TNATGAACGC AAGCCCAGCG	120
CCTCGGTCCT GGTCGAACTC TTTGCCGGCC GCTCCCTGGA GCCTGGCCAG GTATTGGCGA	180
TCATCAACCT GGTGGTCCAC CNACNTTCCT GAATTGAGCA AGTGCGCAGA TCACCGTAGT	240
CGACCAGAAG GGCAACCTGC TGTNCGGNAC CTTGCGGAGG AACTNTTTNG CTGACCATGG	300
CCGGNCAAGC AGTTCGGACT GACAG	325
(2) INFORMATION FOR SEQ ID NO:438:	
<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 104 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:438:	
GGCACGAGGN AGAAAAGGAA GGGTGGAAGG AAAAGAAAAG AAAAAAAGGA AAGGAAAGAA	60
AGGGAAAGAC AGGAAAAAAA AAAAAAAAA NCNCGGGGGN NCTT	104
(2) INFORMATION FOR SEQ ID NO:439:	
<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 158 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	·
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:439:	
GGCACGAGGC CATGGTGTCG ACCAGGNGGC TCGGTTCATC AATGCTGTTG AGCGAAGACA	60
GGACTTCAGC CGGGACTTTN TTGCCCAACT GCACATATTG CTCGAACTGC GACANAGCTT	120
GCGCACGNAC AACTNGGATT NATGATCCCG GGCTTCGA	158
(2) INFORMATION FOR SEQ ID NO:440:	
<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 372 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:440:	
NNGTANNGCG CCTGCAGGTC GACACTAGTG GATCCAAAGA ATTCGGCACG AGCCGNCACC	60
CAGCGTGGCA TGACCTTGGA ACTCAGAGGT CGGCTTTTTG CGTACCAGGT TGATAGTGGC	120

CCCCAGTGAA CCAGCACCGG TCAGCAGGNC ANT	CGCGCCC TTGAAGTACT TCAACACGGT 18
CGTAGATCGC CATGTCGCTC AGCGTGTTCC CCG	TCGAGTA AGCCACGTTG CGTGCGGTGG 24
AAGGGNATCC CGTNATATTN GGAAGTTGTT GAT	AGAGAAA CCACGAGCGT AGTAGTTGCT 30
GCGCTCAGTA TCGAAGGCTT GAAACGGNAA TGC	CCGGCGT NTGGNGCATC AAGTTNGNCG 360
ACACTGGTCA GG	377
(2) INFORMATION FOR SEQ ID NO:441:	
(i) SEQUENCE CHARACTERISTICS:	
<ul><li>(A) LENGTH: 139 base pairs</li><li>(B) TYPE: nucleic acid</li></ul>	
(C) STRANDEDNESS: double	
(D) TOPOLOGY: linear	
(xi) SEQUENCE DESCRIPTION: SEQ	ID NO:441:
GAGTAGGNGC CCATNCATCT TTGCTGTGGA GCA	TTNGCTC CTTTTTNGGG GTGGGAATNT 60
GCCTTGCCCG GTCTGCCGGA AACCAGCAGG AGC	AACCTGC GGTNCCCACA AAATTTNGGG 120
TGTACTGGAC CCACTNGCA	139
(2) INFORMATION FOR SEQ ID NO:442:	
<ul><li>(i) SEQUENCE CHARACTERISTICS:</li><li>(A) LENGTH: 509 base pairs</li><li>(B) TYPE: nucleic acid</li><li>(C) STRANDEDNESS: double</li><li>(D) TOPOLOGY: linear</li></ul>	
(xi) SEQUENCE DESCRIPTION: SEQ	ID NO:442:
GGCAGAGTGN CATNCAGNTC GGACCGAAAA AAG	rggtta attcgggctg gcttgttgcg 60
GTGTGAGCGG TCTGTTTTAT GCCATGGCTT TTTC	GGTTCAC TGGTCTGCCG TTGCTGAGTT 120
TAATTCTGCT GTGCATTGGC AGGGTGTTTC TCGC	GCGTCGG CNAAAGCTTT GCCAGTACGG 180
GGTCTACCCT ATGGGGGATT GGCCTGGTGG GGCC	CGTTGCA TACCGCCCGG GTTATCTCAT 240
GGGAATGGGG TGGCGACTTA CGGTGCGATG GCTC	SCCGGGG CACCGCTTCG GTGTTTTACC 300
TCAATCAGCA CTGGGGGGTT GGGCTGGGGG TGGC	GGCGTT GATCGTGTTG GNCGGTGGNC 360
GGTTTCGCTG TGGGNTTGTC GAATTNCAAA CCCA	ACGTGA ACGATTCNNC GNCGTTAANG 420
GTAATTGCCC TTANCGCAAT TTTNGGGGGC TTAT	TTGGAC TTAAGGTTTT GGGACTTGCA 480
ATGGGTACCT GGGTTTTGCC GGNANCGNA	509
(2) INFORMATION FOR SEQ ID NO:443:	

(i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 480 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: double (D) TOPOLOGY: linear (xi) SEQUENCE DESCRIPTION: SEQ ID NO:443: GGCAGAGCTT GGCTTCGCTG GTTTTCGGCT GTTCCAGGAT GGTGCTGACC TTGTTGTAGG 60 TCANGCGGGC CTGGGAAGTN AATCACCGCT TCGTAGAACT GGTAGTCGGT CATTTCGCCG 120 GTTTTCGAGA TGGTCATCTC GCACACCATG GCCAAACGGT CGACTTTCGG GTTCAGGGAG 180 CACAAGCCGT TGGGACAGCT GCTCAGGCAC ATAGGGGATG ACGCGCTTCG GGGAAGTACA CCGGGTTGCC GGGCAACTGG GGCTTCGTTT NTCCAAGGCC CGNACCNGTT CTTTAAGGTA 300 GCTTTGGACA AGTTGGGCAA TCGGGGACGA AACNAATTTT TCCAAGCCNG CNGGAGGAAC 360 AAAGGGGCAA NTTTNNCCAA GGTTTTGGGT TTCGCAATTA AAACCCCCAT TGTTTGGAAA 420 TTCNCGGGGG NAATTTTNGG CCNGAANTGG GGGACGGAAC CGGAAATTTT ACCGCAAATT 480 480 (2) INFORMATION FOR SEQ ID NO:444: (i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 482 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: double (D) TOPOLOGY: linear (xi) SEQUENCE DESCRIPTION: SEQ ID NO:444: GGCAGAGGAA GACATCCCAT GTTTATGAGT CTGAAGACTT AACATTGTTA AGATAATACT 60 CTCCAAATTG ATTAAGAGGA TAATACTCTC CAAATTGATC TACAGATTCA ACATGATCCC 120 TATCAAAATC TCAGCTGGCT TCTTTGTAGA AACTGACAAA TTGATTCCAA AATTCATATG 180 AAATTGCAAG GGATGCAGAA CATCAGAACA ATCTTGTAAA AGANCAAAAC TGGAGTACTC 240 CCACTTCTCA AAAACTTACT GCAANGCAAA AGTAATCAAG ATAGGTTGGG GCATGGTGGC 300 TCCTGGACTG TAATCCCAGC ACTTTGGAAA GTCCGGGGCG AGTGGGGTTC ATTTGAGGTT 360 CAGGGGTTCC AAAACCAGNC TGGGCCACCT GGGTGGAACC CCCTTTTNTA CTAAAACTTT 420 TAAAAAATTT GGNTGGGGCT TGGTGGGCGG GGNCNGTAAT TCCCGGTTAC TCNGGGGGGT 480 482

TT

(2) INFORMATION FOR SEQ ID NO:445:

<ul><li>(A) LENGTH: 253 base pairs</li><li>(B) TYPE: nucleic acid</li><li>(C) STRANDEDNESS: double</li><li>(D) TOPOLOGY: linear</li></ul>	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:445:	
GGCAGAGGGC TTCCAGGCAC ACCAGCGCCA GGNAGTAGCG CAATTCGTCA TCGTCCGGGT	60
ATTGCNGCAC GAGGTTGGCG AACTGNACCT TGGCGTCTTC CATGCGGTCC TGTTCGACCA	120
GCATGCGGGC ATAGGTCAGC AGCAGGCGTT TGTCGCCCGT GTACTTCTTG ATGCTTTTTT	180
CCCAGCAACG GGAATCGTTT NCTTGCCNGG GTTTGAGGTT TTNCAACAAG CGGGCGCGCA	240
NANGGATTCG GGG	253
(2) INFORMATION FOR SEQ ID NO:446:	
<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 168 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:446:	
GGCACAGGAA GGAAGAAGAA GAAGGAGGAG GAGGAGGAGA AGGAGG	60
AGAAAGAAGA GGAAGAAGAA GAAAGGAAGA AGGAAGAA	120
AAGCGNANAG AGGGAAGGAA GANGAAGGGA AAAAAAAAA AAAAAACC	168
(2) INFORMATION FOR SEQ ID NO:447:	
<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 340 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:447:	
GGCAGAGGNA AAAAGGGAGA TACTATTTTN AGTAAATTTG AGGGCAAGGA ATATACAAAG	60
GAGTTAGGTG GCTTGGAAGA AGATTTTTGC TATATATGTA AACTAAGCTG TGTGTGGGTG	120
GGTATTTTGC TTGTTGGTTT TTGAGACAGG CTCTCACTGT AGTCCAGGCT GGAGTGCAGT	180
GTGGCAGTCA TAGCTCACTG TAACCTTGAA CTCCTGCACT CAAGCCATCC TCCCACTTCA	240
GCCTCCTGAG TAGTTAGGAC TACAGGTGCG TGCTACCACA CCCTGCTCAC TTTGGCATTT	300

TTTTTNTNTT TNTGTTTNNT TGATTTTTT GGGACATAGT	340
(2) INFORMATION FOR SEQ ID NO:448:	
<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 309 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:448:	
GGCAGAGTCT GGACCGGNCT GGCCAATATG GTGAAGCCCC CCTCTCTACT GAAAATGCAA	60
AAGTTAGTCG AGTGTGGTGG TGGGCACCTG NTAATCCCGG CTATTTGGAA GGCTGAGGCA	120
GGAGAATTAC TTGACGCTGG GAGGTGGAGG TTGCAGTGAG CCAGGGTCGT GCCGCTGCAT	180
NCCAGCCTGG GNAGACAAGA GTGAGACATT ATCTCAAAAA AAAAAAAAAA	240
AAAAACCCGG GGGGTTTTT TTTGGGGGGC CCGGGGCCNN TGNTTTTCCC CCCGGGGGGG	300
GTGNCCCCG	309
(2) INFORMATION FOR SEQ ID NO:449:	
<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 317 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:449:	
AGCTTCCAGG TTGAAGCCGG TGAGCGCGTG GCGATCATCG GCCCGAACGG TATCGGCAAG	60
ACCACCCTGC TGCGTACCCT GGTCAACGAA CTGACNCCGG ATNNCGGTAC GTNCAAGTGG	120
ACNGACGCGG NTGAAACTGG GCTATTACGC CCAGGACCAT GNTTCGGAAC TTCGAAGACG	180
GAGTCCAACC TGTTCGACTG GATGGGCCGC TGGACCAAGG NAAGGCGAGC AAGTGGTTCG	240
CGGTTACCCT GGGCCGCATN GTTGTTCTTN CAACGNCGAG NTCCTTTAAT TCGGTTGTAG	300
GTGAATTTCC CCGTTGG	317
(2) INFORMATION FOR SEQ ID NO:450:	
<ul><li>(i) SEQUENCE CHARACTERISTICS:</li><li>(A) LENGTH: 371 base pairs</li><li>(B) TYPE: nucleic acid</li><li>(C) STRANDEDNESS: double</li><li>(D) TOPOLOGY: linear</li></ul>	

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:450:	•
GGNACAGCTC GCGGGAGCGA TATCGCCACG GTCGTTCAAN TACTTGNAGT CGACGTTGTG	60
TGAACCGCTG CCATGCAGGA TGGAATTTCT GCTGTTCGGC CGGCAGTTCG TTGAACGGNC	120
ACTTCCAGGN TGAACTTGTA GTGCGANNCA ACGAAACCCA GCATCTGGGA GTGAATAGAC	i80
GTTACGCCTN TCCCAGCCAC GTNATCGCAC CCTNNGGTCA GTNTGTAGGT NANNNTGTGA	240
CCANGCGCTT GGATGTTCNT AGAATTGCTT AACCCCCAGG CCATCACANG TCGGGCAAGC	300
GCCGGCCGGG TTGTTGAAGG AAAACANCTT CNGTTNCCAG CTCGTGAATG GNATGGCCTC	360
AGATTCGTGC A	371
(2) INFORMATION FOR SEQ ID NO:451:	
<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 368 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	·
() GROUPINGS DECORTOMION, GEO. ID NO. 451.	-
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:451:	60
GGCAGAGCAG CNCTCAGGCA GCTCCAGCAG CAGATATTTA GCCCGCCGCT GCACGCTAAG	
CACTGGTTGG TCGCTTAAAC GGTAGATCTC TTCTGAAACC GGCCAGCGCA ATTGCCGTTG	120
CGCACCACTG CATGAAGAAT GGTTGCACCA ACGAGATGCG GTTCTATGCC GCGGCGGCTG	180
GTTTCAACTT CGGGTAATTC AGGCATAGCA TCTCCAGGGA ATGAACAGAT GNAGTCAATA	240
TGGGGGCAAG CAGATANCAA AAAACCCCGC CGGAGCGAGG TTTTTTTTT ACATCCAAAG	300
CGGGNATTNT TTGATTTTCG CTTCTTTGTA GATCACGTGC TTGGNGAACA ACTGGTTCNN	360
ATTTTTT	368
(2) INFORMATION FOR SEQ ID NO:452:	
<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 171 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
(vi) SPOURNOR DESCRIPTION, SEC ID NO.452.	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:452:	<b>C</b> 0
GGCAGAGGNA TGGGTGCCTG TGGTCCCCAG CTGCTCGGNA GGCTGAGGCA GGACAGTCGC	60
TTGAACCCGG GCAGCAGAGG TCGNGGTGAG NCNAGAATTG TGTCGCTGNA CTCCAGCCTG	120
CCCCACAAAC CAACACTCAA AAAAAAAAA AAAAAAAA	171

#### (2) INFORMATION FOR SEQ ID NO:453:

#### (i) SEQUENCE CHARACTERISTICS:

- (A) LENGTH: 508 base pairs
- (B) TYPE: nucleic acid
- (C) STRANDEDNESS: double
- (D) TOPOLOGY: linear

## (xi) SEQUENCE DESCRIPTION: SEQ ID NO:453:

		•				
GGCACGAGGC	GCTGAATATC	ATCGAGTGCT	GGGGCGATGA	TGTACCTCAG	GGGCAGGTGA	60
CCTCGTTTCC	CATGGCGGTC	AAGCTCAAGG	AGGATGAAAC	CGTGGTGTTT	TCCTGGATCG	120
TCTGGCCGTC	GCGGCAGGTG	CGTGAACGCC	GGTNATGAAG	ACAAGGTGAT	GGAAGACCCG	180
CGNCCTGAAG	GCAGACGTCC	AATTÇCGATG	CCGTTTGATG	GGCAACGGGA	TGGATTCTTA	240
TGGGCGGATT	TGAAGNATGG	ATCCCTCCAA	CACCTGAGGG	CCCAGGCGTT	TCATGGGACG	300
GGCGGGTTGT	TAGTTCCGAT	TCGNCTGTTC	GCCAGGGTTA	GGGACCCGAC	GGATTAAACT	360
TCTGGGTGGC	AAAGACCCAT	TGCCGNAAAG	ANTNANTTCT	TAGAGCGGCC	CNGGGNCCCA	. 420
TTCGTTTTTT	TCCANCCCGG	GTTGGGGTTA	CCAGTTAAGT	NTTACCCATT	TCGGCCTTTT	480
AGTGATCGAA	TTTTACAATT	TCATTGGC	٠			508

### (2) INFORMATION FOR SEQ ID NO:454:

#### (i) SEQUENCE CHARACTERISTICS:

- (A) LENGTH: 488 base pairs
- (B) TYPE: nucleic acid
- (C) STRANDEDNESS: double
- (D) TOPOLOGY: linear

### (xi) SEQUENCE DESCRIPTION: SEQ ID NO:454:

GGCACGAGGC	CATGCGCAAG	GACGTGCTGG	CTAAGTGCTA	CGGCGGCGAT	ATCTCCCGTA	60
AGCGCAACTG	CTTGGAAAAG	CAGAAGGCCG	GCAAGAAGCG	CATGAAGACG	CTGGGCTCCG	120
TCTCGGTGCC	GCAGGAGGCN	CTTCGTGGCC	GCGCCTGTCT	ACCGACGCCG	ATGATTAACC	180
CACCCAAGCA	CGCCGAAÇCC	TTCTCGCAGC	CGCGCCTTGG	TTGCGAAGGT	TGTCAGCTGC	240
CGGATTCCAC	GGCANGCTTG	AGCGNCCCGG	TCCGCGCAAG	AGGGGTTGGG	GCTGGGGCTT	300
TAGGCGAGTA	NTTAGGTTGA	ATCGGCCCAG	GGTNGGACCC	AGACTATTCG	GTNCTGGTGT	360
TCGTTCGAGA	GTTATTTTTA	NAGCGGNCCG	GGGGCCCATT	CGATTTTTCC	ATCCGGGTGG	420
GGGTACCAGG	TNAAGNTTAC	CCAATTGGNC	CTTTAGTGGA	TCGTTTTACA	AATTNATTGG	480
CCTNGTTT						488

## (2) INFORMATION FOR SEQ ID NO:455:

# (i) SEQUENCE CHARACTERISTICS:

(A) LENGTH: 493 base pairs

(B) TYPE: nucleic acid

(C) STRANDEDNESS: double

(D) TOPOLOGY: linear

# (xi) SEQUENCE DESCRIPTION: SEQ ID NO:455:

		•				
GGCACGAGNA	CTGCGGCGTG	CTTCCTGTCG	CGTTTCGCCA	AGANCTTCAA	TTGGGCCCAC	60
CTGGACATCG	CCGGNACCGC	CTGGTANCAG	CGGCGGCAAG	GACAAGGGCG	CCACTGGCCG	120
TCNGGTTCCA	TTGCTGACCC	AGTACCTGCT	GGAACCGCGC	CAAAGCCTGA	AAATNAAGAT	180
TNCCGGGCGC	TTGTAAAACC	GCCCGGNGCT	GCAGGGAACC	GCAATGTACC	CAAGTNGACT	240
тсттататат	TGCCCAGCGC	CGATTCCTTC	CGCGGGCCTG	GNACTTTGCC	TGCAAGCTTC	300
ACCGNAAAAA	GCCTGGCGCA	TGGGCCACCG	TATCTNACCT	GGCATTNGCA	ACGGTTGCCG	360
NCCAGNTTNA	CGGACCTTGG	ACGGNCCGTC	TGTGGGGGTT	TTCAAGGGGC	GAAAGTTTTC	420
GTGNNCCCAG	GGTGNCCGCC	GAATTCAGAA	CCGGAAGGGC	TGGTTGGTAC	TNGGGTTTTG	480
GGGCGACAAT	TGN					493

### (2) INFORMATION FOR SEQ ID NO:456:

## (i) SEQUENCE CHARACTERISTICS:

(A) LENGTH: 396 base pairs

(B) TYPE: nucleic acid

(C) STRANDEDNESS: double

(D) TOPOLOGY: linear

## (xi) SEQUENCE DESCRIPTION: SEQ ID NO:456:

GGCACGAGCG	CGAAGTGGTT	GCGGTACTCC	TTGAGCGAGC	TGCCTTCCGG	CGCCACATCG	60
GTGTCGTGGA	AGCTGTAGTA	GTCGATGCCC	AGCTTGGAGA	AAAACTCAAA	GGCCGCGTCA	120
CCTTGCCGAT	GGCCACTTCC	ATCGGCTTNA	CCGCTGCGTT	GCCACGGGCG	CTTGAAGGTG	180
CCCATGCCAA	ACATATCCGC	CCCCGGCCAC	ACAAAGGTGT	GCCAGTAACA	GGCGGCCATG	240
CGCAGGTGCT	CGCGCATCGG	TTTGCCGAGG	ATCAGNTTGT	TTGCGTCGTA	AATGGCCGGA	300
AGGCGAGGGG	AGAGTCGCTG	GCAGGGGCTT	CGAAGCGCAN	CTNATCGACA	ACGGGGGAAG	360
TACGGCATGG	GGCGTTTTTC	CTNATTGTTC	NTNGGG			396

#### (2) INFORMATION FOR SEQ ID NO:457:

(A) LENGTH: 368 base pairs(B) TYPE: nucleic acid(C) STRANDEDNESS: double

(D) TOPOLOGY: linear (xi) SEQUENCE DESCRIPTION: SEQ ID NO:457: 60 GGCAGAGGCC GGTTGCCGNT AATCCGCAGC GACTGGTGGG CGGCACTGCN TTACCGCCTG CGNGGCACCN TGCGGNAAAA CAACCTGCAC GGCAAGACCG GCTCCATGAG CGGCGTGTCG 120 TCGTTGAACT GGGTATGTCA CCGATGCCAA TGGGCGCAAC TGGTGTTTTC GATGGTGACC 180 240 AACAATTACG TGGTCGCAGG CGCGCGGGTC AAGGCGCTGG GAAAACCGCC TGGCCACGGC ACTGGCCAAC AGCACGGACT ATTGAGCACC GAAGATCAAA TTTTNGACGN GGTTTGCTCC 300 360 GGAAATGGGG TTGTTGACAT TCAACACATG TAANTGATTG ATCCCAGCGT TTTTCGGGGN 368 AAAANCCC (2) INFORMATION FOR SEQ ID NO:458: (i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 367 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: double (D) TOPOLOGY: linear (xi) SEQUENCE DESCRIPTION: SEQ ID NO:458: GGCANAGGCC AGGCCATCGC CCTCAAATAC GACGGGCAAC AAGCGCCGAC CCTNNNCGCC 60 AAGGGGAGCG NATGCCCTGG CCGAAGCCAT GCCTCAAGCT GGCCCGGGAA GAACGANTCC 120 CGATTTACGA AAATGCCGAG CTGGTCAAAT TACTGGCACG CATGTNGTTG GGCGACACAT 180 NCCCGGAAGA NTTGTACCGC ACCGTCGCCG AGATCCATCG CGTTTGCNTG GGACGCTGAA 240 GGGCAATTCC CGGTGGGCTA CGACCCGGAA CGCGGGGCCG GTGGAGCGTT TTTTGACGGG 300 AAAGAGGGCG ACGATTTATT AAGGTNGGGA GCCGGTTGAN NTTTCCCAAG TTTTTGGGGG 360 367 CCNCCGN (2) INFORMATION FOR SEQ ID NO:459: (i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 353 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: double

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:459:

(D) TOPOLOGY: linear

GAGCAGACAC CAAGAAGTCC CAGGCCAAAA TTTTAATTGG NCTAGANAAT GTGGCTGGGG	60
TGTNAGTNAC CAGCCTCAAG GATGGGCTCT TNAGCTTGCA TCTAAGTNAG AATGTCATCG	120
GTGGGCTCCA AGGGGGACTT CCTGCTGGTN AGCGAAGCCA TGTGAATTGA CCTGCTGACC	180
AAAATGTACC GGGCTGTGCT GGATGCNACG CNAGGCAGCT TACAGTCACC GTGAACTAAG	240
AAAGTTCTCC AGTGAAGGTT CCAAGGAGAA CAGTGTGGCT GTCNAGGTTC GTNCCAGGGC	300
CCTGCAGTGG TGNCACCAGN AAGGTTACGT TACAAAAAAA GGGGGNGTCC TTG	353
(2) INFORMATION FOR SEQ ID NO:460:	
(i) SEQUENCE CHARACTERISTICS:  (A) LENGTH: 178 base pairs	
<ul><li>(B) TYPE: nucleic acid</li><li>(C) STRANDEDNESS: double</li><li>(D) TOPOLOGY: linear</li></ul>	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:460:	
TNCNTNTTTT TATTTAGTNC TACATAGTTT TATTGCATGG TTGGGTAAAA CTAACACCAC	60
AGGNAAGCAA TGTAAGATTG TCATGACCAC CATGGTCCCT GGTGCTNNAT TTTAAATTTT	120
TTTGGGGGAT GGCGTCTNAC TTTNTTGCCC AGGGTAGAGT GCAGTGGTGC NATCTCTG	178
(2) INFORMATION FOR SEQ ID NO:461:	
<ul><li>(i) SEQUENCE CHARACTERISTICS:</li><li>(A) LENGTH: 212 base pairs</li><li>(B) TYPE: nucleic acid</li><li>(C) STRANDEDNESS: double</li></ul>	
(D) TOPOLOGY: linear	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:461:	
GGTGGTGAAT TTCCCCAACT ATNACCAGAC CTNAAAAATC GTGGGTAANA AGCTGGTGGA	60
GGTNTCCACC ATCGNAGGCG TGACCTATGA GCGCNTAANA AGAGAANTGG CCTAAGCAGC	120
CAGGCCCGGC CCAGGGAAGC TACAAACCCA CCANTAAAAC TGAATATAAG GACAAAAAA	180
AAAAAANTT TTGGGGGGG GNCCGGNTCC CN	212
(2) INFORMATION FOR SEQ ID NO:462:	
<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 284 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:462:	
CAAGGATTAC AGAGCTAGTA AGTGGCAGAN CTGGGCTTTA AACCCAGGGA AGCTAGATTC	60
CAAAGTTTTG TNTTCTTAAC TACTAAGCTA CACTGTTGAT CACCCTTGGN GTCGTGGGTT	120
AGGAAGAAAA GGAAGGGGAA ACAATGAAGG TGGGAGAAGA TGAAGGACTT AGGGCTCAAA	180
GCTGATGCTT CANTGAAGGT GGGAAAACCT GTGCCTGTGG GGTTTTCCTC AGATTACACA	240
CACGTGGCAC AGTTTTNCAT NATNCAGGTT GCTGAAAAAN AGGT	284
(2) INFORMATION FOR SEQ ID NO:463:	
<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 353 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:463:	
GGCACGAGGC TCTGTGGAAG ACGACCACAT CCCCTTCCTC CGCAGAGGGG TACCCGTGNC	60
TCCATCTCAT CTCCACGCCC TTCCCTGCTG TNTGGCACAC CCCTGCGGAC ACCGAGGTCA	120
ATCTCCACCC ACCCACGGTA CACAACTTGT GCCGCATTCT CGCTGTGTTC CTGGCTGAAT	180
ACCTGGGGCT CTAGCGTGCT TGGCCAATGA ACTGTGGAGA GGACTGTGAA GAGAGAAGGT	240
CCCAGCGGGG GCCAGTGAAA GCTCAGGCAG GTTACTGCCT AGGGTGTGCT GGTTTGTCCT	300
TTTCANACCT TTGTTTTCCN AATTGTGCTA CANTGGAAGA CNTGTTTGNT TTG	353
(2) INFORMATION FOR SEQ ID NO:464:	
<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 336 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:464:	
GGCACGAGCT CACTTCTGGA GAAATTGTTT ATCTTCTGGA GAAGATAGAT ACAGATTGGT	. 60
ACAGAGGGAA CTGTAGAAAC CAGATTGGCA TATTTCCTGC CAACTATGTC AAAGTGAATT	120
GTAAGTGGGT TGTGTTTGTT TTAATTTGGT CATATACTCA GTGGGTTCTA TGTGACTTGT	180
AGGTTGGAAA AAATAACTAG AAACCCAGAT TCTAGTTCTC TTTCATTGAT TCATTTGGCA	240
TTTGGAAAAT TCAAAAATAA NGTTTGGTCA ACTAGGTGGT GGTTAATTAT TATNTTATGG	300
CCTCTTACCA ACTTAATCCC NANANGCTGT TCTGAA	336

(2) INFORMATION FOR SEQ ID NO:465:	
<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 367 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:465:	
GGCACGAGCC AGGCTGGTCT CGAACTCTTG GCCTCAGGTG ATCCTCCCGC CTCAACCTCC	60
CAAAGTNTTA GGATTACAGG CGTGAGTCAC TGCATCTGGC CAATTGGATA CATTCCTGCA	120
GCCAAATTTT AAATTCTTCC TATTGTGCTA TAGTATGGAT GTGCCTTAAT GTATTTAACC	180
CACCCCTTAT TATTGGGCTT ATTATTGAAC TTATTTCCAG CTTAAGTGAT AGAAACAGTG	240
CTGTACATCC TCCTAGCTAA ATCTGTGTAT ACACCCTTAG TGATTTCCTT AGCTTCAACT	300
CTTAGAAGTG GGATTTNTGG GTCAAAGGGC ATGCATCTTT TAAAGTNNTT GATGTTTATT	360
GCCAANN	367
(2) INFORMATION FOR SEQ ID NO:466:	
<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 253 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:466:	
GGCANAGTGG TAGCACCTTC AAAGAAATCC CCGTGAACTG TCTATAGACC CACACTAACA	60
AAAGTNAAAA TTAAAGGTGA ACCTGAAATT CAAACTGATT AAAGAAGGTG NTACCAATGA	120
ACTNGAAGTG GTCCATGGAG AGCCAATTAT TAAAAAATAC ACCAAAATNC ATTGATGGAG	180
TGCCTGTGGA AATANCTGAA AAAGAAGACA CGTGAAGAAC GGNTNCATTA CAGGTCCTGA	240

253

## (2) INFORMATION FOR SEQ ID NO:467:

AATAAATNAC ACT

- (i) SEQUENCE CHARACTERISTICS:
  - (A) LENGTH: 400 base pairs
  - (B) TYPE: nucleic acid
  - (C) STRANDEDNESS: double
    (D) TOPOLOGY: linear
- (xi) SEQUENCE DESCRIPTION: SEQ ID NO:467:

·	
GGCACGAGCA GATTTGGAAA AGCAAGGGAT AACATATGCA GTACAAAATA AGTGGTGAGA	60
TGAAAGCTAA AATGAACATC TGGAAGAAAA AAGCATGGCC AGATGGGGTA AAGTCCAGAA	120
AGAAGAGTGA ACAGAGCTGG AGGTACAATG GTAAACTGTG TCTCACTAAA ATCTTCCAGC	180
TCCATGAAAA GGGCTGTGGC TTGACGTTTA TAAATGTNTG GAAGGAAAGA GAAGTCTATA	240
ATAATCTACC TGTTGACACA ATATACATTG GGGAAGTTAC ANCTTAAACA ATTATTTTNA	300
TATCACTTCA TTTTACCCAG GTATTTTCAG GGAAATTTTT AAAACGGTTA CNCTTTTTCC	360
ATGTACCCCN AAAGTTCNTG GGCAGTNTCA TCTTNGGGCC	400
(2) INFORMATION FOR SEQ ID NO:468:	
<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 436 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:468:	
GGCAGAGNCT AACCTCATTA AACACCTGAA AGTTNACACT GGAGAAAGGC CTTATNAGTG	60
CAGTGAAATG TGGGAAATCC TTTAGCCAAA GTTCTAGCCT CATTCAACAC CGCAGAGTTC	120
NCACGGGNAA AAAGGCCTTA TCAGTGCCAG TCAATGTGGG AAATCCTTTG GGCTGCAAAT	180
CTGTCCTCAT TGCAACACCA GAGAGTTNCA CATTGGAGAA AAGCCTTAGC TGTACTGNGG	240
AATATGCAAT TTCCCTTTTA GTGTAATTAT ACTGAAGGNG TAACANCTNT GAAGNGNGGA	300
CAAGTTACCT GATTTGGGAA GCCCCAACAT NTAGGGTTAT ACAGTGGGGC GGTTTTCCCC	360
TTTAAGTTCC CGGTTATGTG NTTAACATTT TTTNNAACAT GGCCTTTTAG GAAGGGTTAN	420
GACTTTTTT NAATTG	436
(2) INFORMATION FOR SEQ ID NO:469:	
<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 398 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:469:	

GGCAGAGTTA CAGTGGATGA TCTGAAGAAC CTTTTCATAG AAGCTGGATG TTCAGTGAAG

GCTTTTAAAT TCTTTCAGAA AGATCGCAAA ATGGCGCTCA TTCAATTGGG ATCTGTGGAA

GAAGCAATTC AGGCCCTCAT TGAGCTTCNT GAACCATGNA CCTTGGAGAA AATCACCACC

60

120

·	
TCAGAGTTTC CTTCTCAAAA TCTTACAATC TGNACTTTNC TGTGAATTTT TCTCCTAAAA	240
CTGGGACCAT AATTTNCAGT AAAAACCTTC AGACATNGGA CTGAAGCAGC TTCAAGACCC	300
AATTTTGCCC TCTTTNCACA AAATAAACTC TTTNCTGAGT TTGATATTNC AAGTATATTT	360
NNAAAAATCA AGGGGTTTTT TTTTTTGGGA ATTCCCCC	398
(2) INFORMATION FOR SEQ ID NO:470:	
(i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 509 base pairs	
<ul><li>(B) TYPE: nucleic acid</li><li>(C) STRANDEDNESS: double</li><li>(D) TOPOLOGY: linear</li></ul>	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:470:	
	60
CCCAGAGGAC AGATTATCTA CACGTGGAAA GGAGCAAATG CCACACGAGA TGAGCTGACA	
ACATCTGCGT TCCTGACTGT TCAGTTGGAT CGGTCCCTTG GAGGACAGGC TGTGCAGATC	120
CGAGTCTCCC AAGGMAAAGA GCCTGTTCAC CTACTGAGTT TGTTCAAAGA CAAACCGCTC	180
ATTATTTACA AGAATGGAAC ATCAAAGAAA GGAGGTCAGG CACCTGCTCC CCCTACACGC	240
CTCTTTCAAG TCCGGAGAAA CCTGGYATCT ATCACCAGAA TTGTGGAGGT TGATGTTGAT	300
GCAAATTCAC TGAWTTCTAA CGATGTTTkk GGTCCTGAAA CTGCCACAAA AATAGTGGCT	360
ACATCTGGGG TAGGAAAAGG TGCTTAGCCC AGGAGGAGGA GGAAAGGAGC AGAGTATTGT	420
AGCAAAGTTG TCCCTAAAGG TGCAAAAACC TTAGGGATCC CAAGAAGGCG AGGAGCCAGA	480
GGGAGTTCTT GGAATTCCCC CTTGGAGGG	509
(2) INFORMATION FOR SEQ ID NO:471:	
<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 600 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:471:	
TTATCATAGA TTTNCCNGGT TTAGTTCACA TCTATCTCGA TGAGTGCTCT TGCCTGCGCC	60
AGTCTTAAGC CTCCTTGCTT GTTACATTCG TTCAATAGAG CAGATTTGTA TTCTAAATAG	120
GCTCCAGGGA CCAACCTCAC CATCTGACAG AGCTCCTTTT CTTTTTCATT CAGCTTCTCT	180
GTGCCAGGGA GGCCAGTGAG GTTCAAGGGT GGTGCACTCC GTCTACCTGA ATTCGAAGCC	240

ATTGGAATGG AAGGACTCAG GCCGGAATCA ATGTCAGCTT GCCGGCGGAG CCACTGCTGG

CAAGCACTAC TGNNCTGGAT ATACTGGAGA ACTTCTGAGA	GCATAGTGCG	TTTAAGGCGC	360
TCTTCCTCCC GTGTCTTCTT GAGGTGATCG TAGGTTCTGG	CACTACAAAA	ATTGGTAATG	420
CCTGCTGTCC TGTATTCTTG GAGCCTCTTG ATTTCCCTTC	GGAGTTCAAA	TTCCAATGCA	480
TGGNTTTCAA TGAATTTGGC ATGTTCCACT GGCCCCACAA	TTCTTGCAAA	TCGNCTCATT	540
GTTTCATACA GGTCCTGGAC CTCCTTGGGA TACCGCCGNT	CCATTAATTG	АААСТТТСТА	600
			600
(2) INFORMATION FOR SEQ ID NO:472:		• .	
<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 497 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>			
			,
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:4	•	•	
GGCANAGACC TGNATGTAGA TGCCCATCCC AAAAGGAGCA	AGATCTGCTC	TTGCAGTGGG	60
TGTTGAGAGG GGCTGGGAAG GCTTTTTCAG TCAAATATGG	AGCTGAAAAN	NTTCAGAATG	120
TGCNTATGTT GTACATTATC ANTAAGAATC CTAACAGGAG			180
TAGTGGGCGT ACATGGTCTT GGGTTTCCAT GTGCAGCAGT	GAGAGTTGGT	CTCCAAAGCA	240
GAACGGTCAG CATTAACTTC AGCCAAGCAA GCATTCTGTA	TGGGGTGCTC	CCTTTAAAGC	300
CCAAGGGAAA GCAGGCTCTG CTGCTTTTGC CCACCTTTTC	AGAGGGAGAG	GTGTTGCCCC	360
ACCANGGGTG CCAGGTGTGC TGGGGGCCTG AAGNTAAAAT	TAAGTTGTTT	TGGGAAAAA	. 420
TAATGTCTTT AAGTTTCTGC CAGAGNGAAT NNGTANCCAT	TTAAAATCCA	TTTCATCAGG	480
GGGTTTTTT AGTCAGT	·		497
(2) INFORMATION FOR SEQ ID NO:473:			
<ul><li>(i) SEQUENCE CHARACTERISTICS:</li><li>(A) LENGTH: 491 base pairs</li><li>(B) TYPE: nucleic acid</li><li>(C) STRANDEDNESS: double</li><li>(D) TOPOLOGY: linear</li></ul>	·		
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:4	73:		
GGCAGAGCTG GTGAAGACCC AGAGGAAAGG GGAGTAAAAC	TTGGATTGGG	AGATTTCATT	60
TTCTACAGTG TTCTGGTTGG TAAAGCCTCA GCAACAGCCA	GTGGAGACTG	GGAACACAAC	120
CATAGCCTGT TTCGTAGCCA TATTAATTGG TTTGTGCCTT	ACATTATTAC	ТССТТСССАТ	180

TTTCAAGAAA GCATTGCCAG CTCTTCCAAT CTCCATCACC TTTGGGCTTG TTTTCTACTT	240
TGCCACAGAT TATCTTGTAC AGCCTTTTNA TGGGACCAAT TAGCATTCCA TCAATTTTAT	300
ATCTAGCATN NTTGCGGTTA GAATCCCAGG GATGTTTCTT NTTTGACTNT AACAAATCTG	360
GGGAGGACAA GGTGGTTTNC CGTGTNCCAC ATTNACAAGT CAAGNTCCCG TTGGACTTTG	420
CAGTTCCTGC CAGTTTCCGA CCANCTGCAN TTTNGGACTT GGAGGGGGNC CTAGGNAACG	480
GTTTTGACCA A	491
(2) INFORMATION FOR SEQ ID NO:474:	
<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 495 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	•
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:474:	•
GGCAGAGNCA GTGTATAACA TATTACATGG TATGCCATGG AATACTATGC AACAATAAAA	60
AGGAATAAAC TATTGATACA CACAACAACT TAGATGGATC TCAGGGGAAC TATGCTGAAT	120
GAAAAAGTCC AACAGAAGAA GTTACATAAA TATGAATTCC AGTTAGAAGA CATTCTTGAA	180
ATGGCAAAAT TATAGAGATG GAGAATAGAT TATTGATTTG ACAAGTCTCA AGGATGGAGT	240
GGGGAGAGGG GTTGTGTAAG CCAAAGAGAG GTAGCAAGAG GGATCCTTAT GGTTGATGGA	300
TCAGTTCTGT ATTTTAACTG TGGTGGTGGC CNCTATATCT ACACNNTGGN TAAAACTACC	360
CTAACTTTAC AAACACACAA TGGGTACTTT NAANCCGTTG AGTCGGATTA TCTCTNGACC	420
AAGTCATTTC CCATTTNGTA TTNACCTTGG TTGACCGGTT TTTCCTGTAA GNATTGCCGT	480
CTGGGGGGTC CACCG	495
(2) INFORMATION FOR SEQ ID NO:475:	
<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 353 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:475:	
ATTTTATGTT TTCTTTTAT TAATTTTTCT TCTTAAATAC CATGTCTTTC TGGCTGAAAT	60
CCTTGCCAAA ACCAGGAAGG GCCAGTGTAC TGTGGGTGAA TTTTNCTAAT TCATTTCTTT	120

GTCATTTGAA GCCTTCTGTG GCTTCATGCT GCTTTATGTG TGTGTAAATA TTCAGTATCT

TTTCCTAGTT TGCACTTTTG TCACAACTGC TAATTAAGCC	ACCTATGGAC	ACATTGTAAT	240
ATAAATTATT TTGGGCCACG GTGGAGTGGG AGGGAAAGAA	TCCAGTTTCA	CAGGGGTTAA	300
ANTNTGGCAT GTNGTGGAGG TTAATATTTN ANTAAGTTTG	CCAAAACCAC	TTC	353
(2) INFORMATION FOR SEQ ID NO:476:			
(i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 198 base pairs	; · ·		
(B) TYPE: nucleic acid		•	
<pre>(C) STRANDEDNESS: double (D) TOPOLOGY: linear</pre>	• ,		
		-	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:4	76:		
NTTGCTGCCG TCTGCACACG GTCCGCGCGT CGNTGGAAGA	ССТСССИТСС	CCCCATTCCN	60
TGCTGTCGCC ACGGGAGGTG CAAGTNAACC ATGTGCATCG			120
CCGGGCGCA AACATGCACG CNCNGATCAA GACGAGCCTG	CACCGNCTGA	AAGCCCGANA	180
CGGTGCCAGG GCCCTGTN	•		198
(2) INFORMATION FOR SEQ ID NO:477:	· · ·	: •	
<ul><li>(i) SEQUENCE CHARACTERISTICS:</li><li>(A) LENGTH: 322 base pairs</li><li>(B) TYPE: nucleic acid</li><li>(C) STRANDEDNESS: double</li><li>(D) TOPOLOGY: linear</li></ul>			
(3) Torobooti Timedi			
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:4	77:	·	
GGCAGNNGTG GAACAGGACA TCCAGCCTGA TGGGCAGATG	CCAAGTGACA	AGACCATTGG	60
GGNGAGGAGA TGATTCCTTC AACACCTTCT TCAGTGAAGA	CGGGGGCTGG	NNNCATGTGC	120
CGAAGGCAGT GTTTGTGGGA CTTGGAACCC ACAGTNCATT	GATGGAAGTT	CGCACTGGGN	180
ACCTACCGCC AGCTCTTCCA CCCTGGAGGC ANCTTNATNC	ACAGGCAAAG	GAAGATGCTG	240
NCAATAAACT TATTGNCCCG AGGGGNACTT ACACCATTTG	GNCAAGGGAG	GATTCATTGG	300
AGCTGGTGGT TTGGGANCCG AA			322
(2) INFORMATION FOR SEQ ID NO:478:			
<ul><li>(i) SEQUENCE CHARACTERISTICS:</li><li>(A) LENGTH: 183 base pairs</li><li>(B) TYPE: nucleic acid</li><li>(C) STRANDEDNESS: double</li></ul>			

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:478:	
AGCGCAAAGA CAACTTCCAG ACCATCCTCA GCCTCCAGCA GTTCCAAGGG NCGGGCGCAC	60
AGGGACATCC TGGTATGCAT GACCTCGTGT TCTGGTTCGG GGACCTGGAA CTTACCGCAT	120
TGGAGAAGCT NATGAACCTG NCACTTTGGT TCAAGTTTGG NCATGCGTAC AGTNAGTGCA	180
GNT	183
(2) INFORMATION FOR SEQ ID NO:479:	
<ul><li>(i) SEQUENCE CHARACTERISTICS:</li><li>(A) LENGTH: 233 base pairs</li><li>(B) TYPE: nucleic acid</li><li>(C) STRANDEDNESS: double</li></ul>	
(D) TOPOLOGY: linear	•
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:479:	9
GAAGACCCCA GACATCAAGC TCTTTGGGAA GTGGAGCACC GATGAATGTG CAGATCAATG	60
AACATTTCCC TGACAGGATT ACATTGCAGT GAAAGGAGTN AGTGATGNCC AAGTACCTGC	120
CTCTGCACAG TGCCAGGGNC GGTNATGGCG CATATACGCC TTGCCGCCAA AGTTTCAGTT	180
GTGCCCATTA GTGGTGGCGN CCTGCACTTA ACTACCATGN NTGAATGGCA CGG	233
(2) INFORMATION FOR SEQ ID NO:480:	
<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 340 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:480:	
CACCCTGCAG GTGGACAGCT GGCCGGTCAA CGAGCGGTAC CCGGCAGGCC GCCAGCTGAC	60
CATCTTGAAC AGCCAGGCTG CCATCAAGAT CGGGGGCCGG GAATCAGGGC CGCCCCTTCC	120
AGGGCCAGGT NTCCGGCCTC TACTAACAAT GGGCTCAAGG TGCTGGCGCT GGCCGCCGAA	180
GAAGCAACCC CAATGTGNCG GNACTGAGGG TCACCTGCGN CCTGGTGGGG GAGGNGCCGT	240
CCGTGNTGGC TNCAGTGCGN GGAACCACGG CCACCACCNT GGCTGGTTGT ACATGGGCCA	300
CCACCNTTCT GGGAGGACTA CCACCACCAT GGGCCACTTA	340
(2) INFORMATION FOR SEQ ID NO:481:	
<ul><li>(i) SEQUENCE CHARACTERISTICS:</li><li>(A) LENGTH: 104 base pairs</li><li>(B) TYPE: nucleic acid</li></ul>	

(C) STRANDEDNESS: double
(D) TOPOLOGY: linear

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:481: 60 104 (2) INFORMATION FOR SEQ ID NO:482: (i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 352 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: double (D) TOPOLOGY: linear (xi) SEQUENCE DESCRIPTION: SEQ ID NO:482: 60 GGCACGAGAA GAATTGAATT TACATGAGCT CTGTGCAGTG TGCCTAGAAG ACTTCAAGCC 120 -TCGAAATGAG TTGGGGATTT GCCCATGTAA GCACGCCTTC CACAGAAAGT GCCTTATTAA 180 GTGGCTGGAG GTTCGTAAAG TGTGTCCCCT GTGCCAACAT GCCAGTTCTA CAGCTGGCCC AGTTGCACAG TAAGCAGGAC CGTGGACCCC CTNCAGGGAC CCCTTCCTGG GGCAGAGAAC 240 ATTGTATAGC TTACCGCAAG GATNCAGACT GTTGCTGGAC ACGAACGTCT GTTTGGAGCC 300 AGGAGGAACA CATGTGGTGT TTGTTTGGTT GCTNTNTNAC CTNGGGACAC CA 352 (2) INFORMATION FOR SEQ ID NO:483: (i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 384 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: double (D) TOPOLOGY: linear (xi) SEQUENCE DESCRIPTION: SEQ ID NO:483: GCNTCGNTGT CCAGCNTGGT NTCCAGTCGG TTNTTTCCTC ACATGGTGGC TCCTGNCCAC 60 CCTGGCCTGC CCACCTNAGG GATCCCCCAC CCTGCCATCG TTTCCCCCAT CGTNAAGCAG 120 GAACCGGCAC CCCCAGCNT GAGCCCTGCA GTGAAGCGTG AAAATCACCA GTTNACCGTG 180 AAAAAAGGAG GAGGAAAAGA AAGCCCCACG TGAAAGAAGC CTCTGATTGC TTTCATGTTG 240 TATTATGAAN GGAGATGAGG GCCAAGGTGG TGGCTGAGTG CACCCTGAAG GGAAAGTGCC 300 AGCCATTTAA CCAGATACCT TGGTAAGNAA AGTGGGCACA ACCTGTTTTC GNGNAGGANC 360 384 AGGTCCAAGT TATTAGGAGN TTGG

(2) INFORMATION FOR SEQ ID NO:484:			
<ul><li>(i) SEQUENCE CHARACTERISTICS:</li><li>(A) LENGTH: 53 base pairs</li><li>(B) TYPE: nucleic acid</li><li>(C) STRANDEDNESS: double</li><li>(D) TOPOLOGY: linear</li></ul>	: ·		
	•		
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:4	84:		
GGCAGAGCTC CGTCCCNNGA GATTTTTTT TTTTTTTTTT	TTTTTTTTT	TTT	5,3
(2) INFORMATION FOR SEQ ID NO:485:			
(i) SEQUENCE CHARACTERISTICS:  (A) LENGTH: 298 base pairs  (B) TYPE: nucleic acid  (C) STRANDEDNESS: double			
(D) TOPOLOGY: linear		•	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:4	85:		
GGCAGAGGAC CGTCGCAGTC GGACCAACTG CTGGCAGAAT	CTTCGTCCGC	ACGGCCCCAG	60
CTGGAGTTGC ACTTGCGGCC GCAACNNCNA GGGGGCGCCG	CAGAGNGTGN	GNCAAACGGG	120
GACGACTGTC GCTCGGGNCC GGGCGNTGCT GCCGTCTGCA	CACGGTCCGC	NCNTCGNTGG	180
AAGACCTGGG NTGGGCCGAT TGGGTGCTGT CGCCACGGGA	GGTGCAAGTN	AACCATGTGC	240
ATCGGGCGCG TGCCCGAGCC ANTTTCCGGG CGGCAAAANA	TGCACGNGGC	NGTTTAAG	298
(2) INFORMATION FOR SEQ ID NO:486:			
<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 490 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>			
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:4	86:		
GGCAGAGAGA AAGGTTCGGT TACTGCCGAA GACTGCTGCC	TGGAGGCAAA	GGGAAGCGCC	60
TTCCTGAAGT TTACTGCATT GTGAAGCCGC CTGGGAATGC	TTCACCTCTT	TTNAAGGGAT	120
CTTGGATGAG GTGGAAAAAA GACGAGGCAT CTCTCCTGCC	CTGGTTCAGC	CACTCATGNG	180
AAAGTGTCAT GGGAAGCCCC TTTCCCAGCC CTGGGCAAAA	CCATCCTTGT	NNAAGNAACT	240
TCCTGCCAGG TTTCAGGAAC TGAGGTTGAT CAAACTGTGC	CGCCCGNTGG	GACTTCCCGG	300
CTTCGAGCAA GTGGGACTTT GNAGTCTTCT CTTGNTCNTN	CCTTCAGGGT	TCCGGCAACT	360

GGTNTNGTGT GTTTGNNCTC CCTGNTTTTT GGNAGAGGAG GGTCATCTTC ATTGCAGACA	420
AGNTCAAGTA CCCGCCTTGG GTTAATTTTG GTTAAAGGGT TTTGAATGAC ANTGGGTTNT	480
TGGGACCCNC	490
(2) INFORMATION FOR SEQ ID NO:487:	
<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 483 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
	•
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:487:	
GGCANAGCTG GGGGTGTCTC TGCAGGGTAC TGGCAGCCTT GCTACACTGT CCTCATTCCC	60
AGATGGAAAG ACCTGAGTGC CTCTGGCCTT CCTCCGGGAA TGATTTCCTC ATGAAAATGA	120
NCCAGGCCAC TTCTTCCGAG GGCCAGGCCG CCCCTCCCC GAGAACCTGT CCTGCCGTCC	180
GCGGGTGTNT GGCCTGTAGG GGACTGAGAA GCTGGGCTTG CTGGGCACCT CTGGAAATCT	240
GAACCCTGTG GGGCCAAAGA AAGCACCACT GTAGTTTCTG CAGACCCCCA TGCGGTTCAT	300
TGTGCATTGT TTGGTTTCTT AGGATGTATG TNTTGCTAGT TTTTTTTAAT GGAAACCCGG	360
GANTAATGTA AATAGCTTTT TTGGGNACGG NTTTTAATGT CAAGTATGTN CCGTGTTGGA	420
CTATTTCAAG GTGCTGATGC AACAATAATT AAACCTGGNG GGGGCCGGNA AAAAAAAAAA	480
AAA	483
(2) INFORMATION FOR SEQ ID NO:488:	
<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 499 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:488:	
GGCAGAGGNC CCGCGGTGCG CGGCCCTACG ACCTGGACCG GCGAGATGAT GCCTATTGGC	60
CGGAAGCCAA GCGGGCCGCC CTGGAATGAG CGCTACCATT CTAACTTTAA CCGCCAGTAC	120
CGCTTCCACG AACTTTNAAC CACAGGGAAC CGCGGCCGCT NACCCCGNAC CACTTCGGTG	180
GNACAGGAGA GAAGGTTCAA GGTTCAATGA ATGGGNAGAA CGNAGAAGGN ACAGCATTTA	300
CCCAGAACGC CATGGGAGGN ACCAGAGCGG CCACGGGCCG GGAATTCCCG CGAATGGGTT GGGGGGGGTT ATGCCTCTGA ACAAGGGNTT TAGNCGAGGG CCNGGGGTTG CCTTCTTCCC	360

CCCAGGGGCA GACGTTTATT GGGGGGACCA TTGGCCNAAG AGAAGATGAC	CGTTCATGGC	420
AGGNAAGGNC NACGGGGGN NTNNTGGACA GGNTTACAAG AGTTGGCAAN	TNGCGAANAN	480
CATTTCCGTT AATTCCGGC	· .	499
(2) INFORMATION FOR SEQ ID NO:489:	. •	•
<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 422 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>		
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:489:		
GCGTCGCCTT GTTCTACGAT ATGACCATTT TCCATATACA CCACTCGGCT	GGCGGTTTTA	60
CGCGCCACTT CAACTTCGTG GNGTGACGAT CACCTGGGTA ATATTCGTTT	CTGCCAGCTC	120
ACGAATGAAT GCTGACGATT TGTGCCGTAA TTTCCGGGTC CAGTGCGGCG	GTCGGTTCAT	180
CGAACAGCAG TACCTGCGGT TCCATCATCA ACGCACGGGC AATAGCAACA	CGCTGCTGCT	-240
GACCACCAGA AAGATGCAGC GGGTAACGAT CGCNATAAGG TTTGAGAACG	CAGACGTTNC	300
CAGCAGTTTT TTCTGCACGG GGCCAGCGCC TGATTCTTTA ATTCAANCCC	CATTACAAGG	360
GCAGGGCGGT TTCAATTCAA GGTTTTGTTN GCACGGTCAA ANTGGGGCCA	CAGGTTTNTN	420
TT		422
(2) INFORMATION FOR SEQ ID NO:490:		
<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 365 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>		
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:490:		
GGCACGAGCA GGGCTAGGTA ACCTGTCTTG GGAGTNTGAG ACCGCCCCGC	CCTGCCACGC	60
CCCTCACCGC CCTGCCCGGA GGCGCCAGCN NANCTCCTTG GCTTCCTTTC	CTAGATAGTG	120
ANGTCCACCA ACCTTGGAGG TGCCTTTTCA AAACACCCGG GAGGCCGTGC	CTCAGCATTC	180
TGTTACTCGG CCTGCAGCCC CAGTGCCAGG AGCCACCCCG AACCGCGAAC	CCGGCCAGGC	240
TGGTTNCAGG GAGGCCGAGG TGGCGCTGAG GTGGCTTTCA GCACGCTGGG	GATTGGNTTC	300
CTGCTNCACG GATGCTGTTG CATTTCTGCC TGCCACTTTT TGCCNGACAC	CAGATNTGTT	360
TTNAA		365

(2) INFORMATION FOR SEQ ID NO:491:	
<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 122 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:491:	
CACAACCTNC TCATGGGTGA CACCAAGGAG CAGCGCATCC TGTAACCACG TNCTNCAGCA	60
TGAGGTAGCC CTGNGAACGN ACAGAGCGTG CTGGAAGGCC ATTGACACCT ACTNGCGAGT	120
CA	122
(2) INFORMATION FOR SEQ ID NO:492:	
<ul><li>(i) SEQUENCE CHARACTERISTICS:</li><li>(A) LENGTH: 433 base pairs</li><li>(B) TYPE: nucleic acid</li><li>(C) STRANDEDNESS: double</li></ul>	
(D) TOPOLOGY: linear	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:492:	
GGCAGAGGNN CGGGNGCTGC ATCGACGTGA ATNAGTGCTG GGCCTCGCCA GGCCGNCCTG	60
TGCCAGCACA CGTGTGAGAA ACACACTCGG CTCCTACCGC TGTTCCTGCG CCTCCGGGTT	120
CCTGNTAGCA GGGACGCCAA GCGCTGTGAA GACGTGAATN AGTGTAAGGC CCAGCGCTGC	180
AGCCAGGAGT GTGCCAACAT CTATGGCTCC TACCAGTGCT ACTGCCGCCA GGCTTACCAG	240
CTGGCTGAGG ATGGGNCACA CCTGCACAGA CATCGACGAG TGTNCTCAAG GCGGCCGGCA	300
TCCTNTGGCA ACTTTCCGNT GTTTTCAAAG TGGCCAGGGG AGGTTTACCA TTGTGCATGC	360
CCTGAGCAAG GTTACAACAT GTACGGGCCA ACGGTAGGTT CTGCAAGGTT GNGATNAAGT	420
TTTGCNANCT TNT	433
(2) INFORMATION FOR SEQ ID NO:493:	
(i) SEQUENCE CHARACTERISTICS:  (A) LENGTH: 183 base pairs  (B) TYPE: nucleic acid  (C) STRANDEDNESS: double	

GGAGGTGTGG AGGGAGAGGC GCGACGGGNA ACAGGGGCTG CGTGCGGCTC TTGCGGGCCA	120
GCTGGAGTTC TGGGTGGGCA TGGGCTTGGC GGGCCCCGNA CTCGGANTNA GNCGGCTGGC	180
CCT	183
(2) INFORMATION FOR SEQ ID NO:494:	-
<ul><li>(i) SEQUENCE CHARACTERISTICS:</li><li>(A) LENGTH: 493 base pairs</li><li>(B) TYPE: nucleic acid</li><li>(C) STRANDEDNESS: double</li></ul>	
(D) TOPOLOGY: linear	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:494:	
GGCAGAGGGN AAAGTTGTNT TGGCTTTGGC TTGCAACTCT TTGGCAGGAA TTCAGCGAGA	60
GAATTTACAG AAAGCCATGG GAACTGGTGA CAATCAACTA TTCCTCTGAA CCTGAAGAAT	120
CTGANTTTTG TATTTGTTGA CTGACCAAAA CAGGATGCGA GTGTAAATGA ACATCATGCC	180
CATGAATTGG TGCTCGATTT TATACTCAAT TGGATGCTGC TCAAATGAGA AATGATGTCA	240
TAGAGGAAGA CCTTGCAANG AGGTTCAAAA TGGAAGACTG TTTAGGCTNC TAGCAAAATT	300
GGGAACATNC AATGAGAGGC CGGGTTTCAG AAGGATCCCA CTTGGTCCAG AGACNGGAGA	360
CCNTTATCTG TTGNAACTCT TTAGGGGTCC NNNTTTTCCT CAGGTGACAG AAGCAGTGCN	420
TCCCTGGATT GACCCCAGGC TATNATTCNT TGTCTTNACA GTTGGTGCTG GTNTGCCANA	480
AAATNAGCCC GNT	493
(2) INFORMATION FOR SEQ ID NO:495:	
<ul><li>(i) SEQUENCE CHARACTERISTICS:</li><li>(A) LENGTH: 336 base pairs</li><li>(B) TYPE: nucleic acid</li><li>(C) STRANDEDNESS: double</li><li>(D) TOPOLOGY: linear</li></ul>	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:495:	
CTCCCACCTC GGCCTCCCAA ATTGTTGTTA TTACAAGTAT GAGCTACTGT GCCCAGTCCC	60
ATTGGGGTAT TTTTCTGTGG TTCTCAAGGG TTGCCCACAG AGAGACAGAC CACTTTTGGG	120
ACTCAGGAAA TCTGGGATGT ACCAAGACTA AATCTATATT AACCTTCTGA TCTACTGTGC	180
AGGATGCAA AGTGTTTTAT TTCCTGTGNA CAATTCTGGA TCTAAAAATG TAAGGGTTGA	240
AAAAAAATG TAAGGGATGA GATCAACTAT TTGTGAANGT TGTCCGAGAG GNTGGGTTTG	300
CACCOCCOCA ANICA CONTCOCONTO CACOCA	226

(2) INFORMATION FOR SEQ ID NO:496: (i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 331 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: double (D) TOPOLOGY: linear (xi) SEQUENCE DESCRIPTION: SEQ ID NO:496: GGCANAGGNC CCTGGAGGGN TGGAGCCCAG CCTTAAAGAC CCAGGGCAAG CTGAACACCA 60 GGCCTGGNAA AGGTGATCTT CTTCTCAGAG TCTGGCTGCC ANGGCAGTGG CAGGAAGGTC 120 TGGGGAGACA TCGTTGATGC CTCAGGCTGG GCCCCCGTAG CCTCCATAAG GGTAGTTCGA 180 GGCTGCTGGG TGCTGTACGA NGAGCCAGAG TTNCGGGGTC AGAAGCTGGT CCTGCCTGAA 240 GNGGTCATGG GACTCAGANC CCCAGGGTCA AAGTGGAGTC CCCAAGGTTT CGGNTCCCTA 300 331 AGGNGGGTTG TCTGGGGACT TACAAGCANC C (2) INFORMATION FOR SEQ ID NO:497: (i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 484 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: double (D) TOPOLOGY: linear (xi) SEQUENCE DESCRIPTION: SEQ ID NO:497: GCCCAGCCCA ACTCGGGTCT GCTGCAGGCC TCGGTCATCA CCCTCTACAC CATGTTTNTA 60 ACCTGGTCAG CCCTATCCAG TATCCCTGAA CAGAAATGCA ACCCCCATTT GCCAACCCAG 120 CTGGGCAACG AGACAGTTGT GGCAGGCCCC GAGGGCTATG AAGACCCAGT GGTGGGATGC 180 240 CCCGAGCATT GTGGGCCTCA TCATCTTCCT CCTGTGNCAC CCTCTTGCAT NCAGTNTGCG ATCCTNCANA CCACCGGTCA GNGAAGCAGC CTGNTGCAGA CCGAGGAGTG CCCACCTATG 300

GTAAGACGCC ACACAGCCAG CAGCAGCAGC AGGTGGNCAG CNTGTGAAGG GCCGGGGNNT

TGAACAAGAA GNCAGGACGG NGTTCACTGA CAGTTNATTC TNTNTTTCCA TTNTTGNCNG

GTGNTGGGCT TNATTGCAAG TTNAGGATGA GGTTCACCAA TTGTTACAAG CCCGTGGAGA

360

420

480

484

(2) INFORMATION FOR SEQ ID NO:498:

CCGG

(i) SEQUENCE CHARACTERISTICS:

(A) LENGTH: 72 base pairs

(B) TYPE: nucleic acid

(C) STRANDEDNESS: double
(D) TOPOLOGY: linear

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:498:	
ATGACAAGAG GCCCTCTATA TATCTCTTCC CACTCTAAAG CTNACCACAC CAACCTACGG	60
NATCTTAACC AC	72
(2) INFORMATION FOR SEQ ID NO:499:	•
<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 259 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:499:	
GGCAGAGCCC CCATCCAGAG CATGATGTGC CAGTACTGGC CAGAGTCCTG GTGGAGGACG	60
ATGAGATTCA TGCAGGGATT CATCAGGGCT TTCAGGCCCT GCCCAGGCAC CTATGGTACT	120
TTGCTGGACT TGAAACAGAT GGAAGAGCGT GCCGTTTCTA GGTGAGCTCT GCCTGGTCCG	180
CCTCTGGCTC ACTCCGCCTT CAGAGACCAG ACTCCACCTT CACACTCANG CATGGGATTC	240
TCTGCCTTNA AGATAACAC	259
(2) INFORMATION FOR SEQ ID NO:500:	
<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 99 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:500:	
GGTTACCCTG GCTACCAGTG CAAACACTAC GCNTGCNTCC GGCGAAGGGC GGCTACTGCG	60
CTGGTACCNN GGNTGGGCCC CCCCGTATAA AGCATCATT	99
(2) INFORMATION FOR SEQ ID NO:501:	
<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 334 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:501:

GGCAGAGGTN AGCTCGCAAA AGCGATCGGA GCACAGTGCT ACTTGGGAAT GTTCAGCTCT	60
GACTCAGAAA GGTCTCAAAG CGGTTTTTGA TGAAGCAATC CTCACCATTT TCCACCCCAA	120
GAAAANGAAG AAACGCTGTT CTGAAGGGTC ACAGCTGCTG TTCAATTATC TGAGGTTGTC	180
TGGGACCTGC CTCCACCCCA TCCAGGGGAT GAGANTGGNC AGCCAATCTC TGTGGCCAAG	240
CTTCCAGCCA AAAAGGAGGG CACGACCAGA AAGGAACTCC CTTTTGGCAC GGGGGNTTTG	300
CCCCATTNAC CCTTCTTNAG GCCCTTNCCC NAAA	334
(2) INFORMATION FOR SEQ ID NO:502:	
<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 280 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:502:	
GGCAGAGGTG CTGCAGGGGG TCCTGCCGGC CCTGCCTCAG GTGGTGTGCA CTACCGCGAA	60
TGTGCGCTTC GAGTCCATCC GGCTCCCTGG GCTGCCCGCG CGGCGTGNAA CCCCGTGGTG	120
CTCCTACGCC GTGGCTCTCA GCTGTNNAAT GTGGCACTCT GCCGCCGCAG CACCACTGAA	180
CTGCGGGGGT CCCAAGGNAC CACCCCTTGA ACCTGTGAAT GACCCCNGGT TCCAGGACTN	240
CCTNTTCCTC AAAGGNCCCT CCCCCGGAGC CTTTCCAAGT	280
(2) INFORMATION FOR SEQ ID NO:503:	
<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 114 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:503:	60
GGCANAGAAA AAAAAAAAA AAAAAAAAA AAAAAAAAA AAAAAA	
AAAAAAAAA AAAAAAAAA AAAAAAAAA AAAANAAAN	114
(2) INFORMATION FOR SEQ ID NO:504:	
(i) SEQUENCE CHARACTERISTICS:  (A) LENGTH: 340 base pairs  (B) TYPE: nucleic acid  (C) STRANDEDNESS: double	

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:504:	
GGCANAGGAC AGGATCAAGC ATGCTTTCCT TATCAAGGAG CAGAAAATCA TTGTGAAAGT	60
TTTGAAAGCA CAAGCAGGGA GTCAGAAAGC TAAATAAAAG ATGAAGCTTT TTTGNAGTAN	120
TAAAAATTAA AAGACTTTTT AAAAAAATTA GAAGGCAGGG AACCCAGATG GGNAAGTGTC	180
TTCCTGAATG CTCCTTGGCC TTGGGAGGGT CCTTTCTGTG TGTTCAATTG ACAAAATCTG	240
AAAAATGCCG CTACTTGGGC AAAGAGAAAT GTTTATAGGG TCTAGCTCTA GTATNCAGGN	300
AAGGGAAAGC AGNGGGAAGG GTGGGTTTGG GACNGNTTAG	340
(2) INFORMATION FOR SEQ ID NO:505:	
(i) SEQUENCE CHARACTERISTICS:  (A) LENGTH: 112 base pairs  (B) TYPE: nucleic acid  (C) STRANDEDNESS: double  (D) TOPOLOGY: linear	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:505:	
GGCACAGGTA GAACCCACCA TGGTGCTGTC TCCTGCCGAC AAGACCAACG TTAAGGTNTG	60
TTTGGGGTAA GGTGCGGNGC GTACCTGGNG NAGTATGGTT TCGGTGGTAN CT	112
(2) INFORMATION FOR SEQ ID NO:506:	
<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 403 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:506:	
AAACCAAGCT GTACTTGGCA ATGAACAGTG AGGGATACTT GTACACCTCG GAACTTTTCA	60
CACCTGAGTG CAAATTCAAA GAATCAGTGT TTGAAAATTA TTATGTGACA TATTCATCAA	120
TGATATACCG TNAGCAGCAG TCAGGCCGAG GGTGGTATCT GGGTCTGAAC AAAGAAGGAG	180
AGATTCATGA AAGGGCAACC ATGTGAAGAA GGAACAAGCC TGCAGCTTCA TTTTCTGCCT	240
AAACCACTGA AGNCCCCATG TTACAAGGNG CCATCACTGC ACGTTCTTCA CGGGGTTTCT	300
TCCCGTTCTT GGAAGCGGGG ACCCCCAACC AGGGGCAGAA GTGTTTTCTG GGCGTTGCTT	360
GAACGGGGG CAAATNCCNT GGGGCCACAA TGGATCAACG TGG	403
(2) INFORMATION FOR SEQ ID NO:507:	

(i) SEQUENCE CHARACTERISTICS:

(A) LENGTH: 376 base pairs(B) TYPE: nucleic acid

(i) SEQUENCE CHARACTERISTICS:

(A) LENGTH: 318 base pairs(B) TYPE: nucleic acid(C) STRANDEDNESS: double(D) TOPOLOGY: linear

(C) STRANDEDNESS: double (D) TOPOLOGY: linear (xi) SEQUENCE DESCRIPTION: SEQ ID NO:507: GGCCCGAGCA CCAACTTTGG CAACACGACC ATTGTGGTGC CCAAGCCCTT CCGCCCGATA 60 CTTGGCCTGC ATCTGGACTT GGGAATCCTG TACTATGTCT ACATGGGGNT GCTGGCAGTG 120 TTCTGTACCA ATGCCATCAA TATCCTAGCA GGAATTAACG GCCTAGAGGC TGGCCAGTCA 180 CTAGTCATTT CTGCTTCCAT CATTGTCTTC AACCTGGTAG NGTTGGAAGG TGATTGTGGG 240 GATGATCATG TCTTTTCCCT CTACTTCATG ATACCCTTTT TTTTTCACCA CTTTGGGGAT 300 TGCTCTTACC ACAACTGGTA NCCCTCANGG GGTGTTTTTT GGGGAGAAAA CNTCTGNTAA 360 376. ATTTTGCTGG GNAAGA (2) INFORMATION FOR SEQ ID NO:508: (i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 504 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: double (D) TOPOLOGY: linear (xi) SEQUENCE DESCRIPTION: SEQ ID NO:508: GGCACGAGGA AAAACAGTCC TGGGAAATGT ACGACACTCA TTCTGCTAAA GAAATAGGCA 60 AGTAACAATT TTTAACAAGT GAAATATATT ACTACTTAAT TTTATTCAAA ATTCACCAAC 120 TTAATGTGCT TTATAAATAT TTNCATACCT TTCAAGCTCT ACTGATAAAA CATAATTTAC 180 AGTTAATTAA AANGTGAAGT TAAAGTAAGT ACAAAANCAT TTTCAAGGTG ACAAAATTAG 240 GAAGGTGACA GTNCCGATTG AAACACAGAC ATATCACACC CAAGGGTCAA GTCAAGCCCT 300 TCTATTTACT TGGGGTATTT TCCCCCACTC ACATCTGGTT CAGTGGAAGT GGGGTCCTGG 360 ACCATCCTAC CAGGNGCCGT TACCCTGTGG TTNCTCTGTG TTCCCNTGGG GGTGGCTTTT 420 AACTTTGCAG GTTTTTGCAC TGCCTCANTA GGTTGGGGTT CTTTTGNCCT TTGGNAATAT 480 504 TTTCCTTTNC CCTTAACCAT TNTT (2) INFORMATION FOR SEQ ID NO:509:

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(xi) SEQUENCE DESCRIPTION: SEQ ID NO:509:	
GGCAGAGCAG CCCTGAGATC GAGGGAGATC TGCAGCCTGC CACACATGGC ATCCGCTTTN	. 60
ATTTCTGGAC CAAGTAAAGA TGGGTCCGTG GCCCACACTC GGTCATGTGC TCAGACAACG	120
ACTGNTGAAA ACGCCCATGN CAGTTTGCAT CGNACTGATA GTGTGTTCTT TCCGGGNNTC	180
ACAAACATTA ACAAAAAAGT TTAACTTATG TGAACTTGGG CAGTTNATTC TATGACCATT	240
TCCTGTGCCA TNTAAAATTT TTAAGGGATG AAAAATTNTG NAAAAAANAA AAAAAGTCTN	300
GNGGGGGGG CCCCGGTG	318
(2) INFORMATION FOR SEQ ID NO:510:	
(i) SEQUENCE CHARACTERISTICS:  (A) LENGTH: 427 base pairs	
(B) TYPE: nucleic acid	
(C) STRANDEDNESS: double	
(D) TOPOLOGY: linear	•
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:510:	
GGCAGAGGTG AAACCCTACA CTTGTTGTNA ATGTGGGAAG GGTTTCAAAT ATGGCTCAGG	60
TCTCCTTAGT CATAAGAGAG TGNACACTGG CGAGAAGCCA TACAGATGCC ACGTGTGTGN	120
GAAAGGGCTA TAGTCAGAGC TCACATCTTC AAGGTCATCA GAGGGTCCAC ACTGGTGAGG	180
AAACCCTATA AATGTGANTA GTGTGGGAAG GGCTTTGGCC GCAACTCCTG TCTTCATGTT	240
CATCAGTGAG TCCACACTGG AGAGAAGCCC TATTACGTNT GGTGTGTTN GGNAAGGCTT	300
NCAGTTAATT ACCTCAGGTN TTGCGGGAAC CACCAAAGAG TGCCATTTTA GGCGNAGTNA	360
CCCTTATTAA GTAGTTGTTA CCATAGGGNT TTTCCCATCT TGGGANTTCN AAGGNTTTTT	420
TATTCCN	427
(2) INFORMATION FOR SEQ ID NO:511:	
<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 345 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:511:	
GGCAGACCTC GGCCTNNATT CNTNCAAAGG CACATGGACA CAGCCCTTTA ACCTGGCAAG	60
CACCACCCAA CCACAACMUC MAUCUCCACG AGACAACUNT GGTGAAGGTG CCCCATGANN	120

GTTGCAGTCG AGCACCATCA GTTAACCTTC ATGAACTCGG AAGCTCCCCT GCCNAGCTGG	180
TGCAGATGAA ACTACGTGGG NCAATGGGAA CTNTTTTCTT NATCCTTCCG GACAAGGGGA	240
AGATGAACAC AGTTCATCGC TGCACTGAGC CGGGGACACG ATTNAACAGG TGGTCCGNAG	· 300
CNTTGACCCA GNAGCCAGGT GGGACCTGTT ACATTTCCAA AGGTN	345
(2) INFORMATION FOR SEQ ID NO:512:	•
<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 252 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:512:	
GGCANAGGAC CACTTGAGCT TCCTCAACTC CTTCAAGATG AAGATGTCCG TNATCCTGGG	60
CGTCGTGCAC ATGGCCTTTG GGGTGGTCCT CGGAGTCTTC AACCACGTGT CACTTTGGCC	120
AGAGGCACCG GNTGCTGCTG GNAGACGCTG CCGGTAGCTN CACCTTCCTG GCTGGGAACT	180
CTTCGGTTAC CTCGTGTTTC CTNAGTGCAT CTGACAAGTG GGCTGTGTGT CTGGGNTTGN	240
CAGGGGNCGA CT	252
(2) INFORMATION FOR SEQ ID NO:513:	
<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 371 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:513:	
GGCAGAGTAG AAGTCGGGCG GACCCGGAAC CCAGAGGACG CGACACCATG ACTTATGCTT	60
ATCTCTTCAA GTATATCATC ATCGGAGACA CAGGTGTGGG GAAGTNATGT CTCCTCCTGC	120
AGTTTACAGA TAAGCGGTTC CAGCCTGTCC ACGACCTCAC AATAGGTGTG GAGTTTGGNG	180
CTCGTATGGT CAACATTGAT GGAAAACAAA TCAAACTGCA AATCTGGGAT ACGGCTGGGC	240
AAGAATCCTT CCGTTCTATC ACCCGTTCCT ACTACAGGGG AGCAGTTGGA GCACTGCTGG	300
TGTACGACAT TACAAGGCGT GAACCTTTCA ACCACTTGNC CTCNTGGTTA GAGGATGCCC	360
GGCNACANTN T	371
(2) INFORMATION FOR SEQ ID NO:514:	
(i) SEQUENCE CHARACTERISTICS:	

(A) LENGTH: 197 base pairs(B) TYPE: nucleic acid

(C) STRANDEDNESS: double (D) TOPOLOGY: linear	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:514:	
GGNACGAGCA AGCACTGCTC AAACAAGGAG GTGGTGTCCT TNGCCAAAGT CCTTATNAAA	60
AACTGGAAGC GGCTGCNAGA CTCCCCTGGC CCCCCAAAAG GAGAAAAAGG AGAGGAAAGA	120
GAAAAGGCAA AGAAGAAGGA AAAAGGGCTT NANTGTTCAN ACTGGAAGCC AGAAGCAGGC	180
NTTTNTCCAC CAAGGAA	197
(2) INFORMATION FOR SEQ ID NO:515:	
<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 500 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:515:	
GGCAGAGNAA CATTCTAGCA GGGGTAAGTG ACCATAGCTG AATTCTTTTC TTATCAATCA	60
GGAAAATGAA AATCCTTCCT TAATCAATTT CTCCAAAGTC TCTGACACAT AACAACAACT	120
CCAAAAATGC ACCTCTCTTT CCATCAAACT CCACTGATAT GAAAAATGGG CAACCTGTTT	180
TTCCTTGCCC TGTTAGTGAA CTTGTGGGTG TACCCAGTGG CCACTCTAAG GATCTCTATA	240
ATCAACAAGA CACAGTTAAC AAGTGTTGGC AAGCAAGTGG AGAAATCAGA ACACTCACAC	300
ATTGCCAGTG GGGATGTAAA GTGGGAAAAC AGTTTTGGAA GTTNCCTCGA AAAGTTTAAA	360
CCNGGGATTT AACCTTACAA CTCCGTAATT NCCATTTACT TCNAGGGTGA TTNTCCCAAA	420
GGANNTGAAA ACGTNTGTTT AACNCCAAAA NCNGTTACAC AATGTTTCAC AGGGGCNTTT	480
TTCCTTATTN GCCCAGGGTN	500
(2) INFORMATION FOR SEQ ID NO:516:	
<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 312 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:516:

GAGAAATAGA CAAATCTACA ACTATAGTTG GAGACTTCAA AGTACCTTTT TCAGTAATCA	120
ATAGACCAGT TAGAACACCT CAGCCAAAAA TAGCAGAATA TAAATTATTT TTGAGCTCTC	180
ACAGAACTTT GCTGAGATAC ATTATAACCT GGGCCATAAA ACAAACCTCA ACCAATTAAT	240
ACAGTTGAAA CCAGAGTGTG CTCTCTGGAC CACAGTAGGA TTCAANCTAT TAATTAGTAN	300
TNTTANTANT GG	312
(2) INFORMATION FOR SEQ ID NO:517:	
<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 457 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:517:	
GGCAGAGTGC AAGATTGGAG AGGGAATGCT GGCAGACTTT GTGTCCCAGA CTTCTCCAAT	60
GATCCCCTCC ATTGTTGTGC ATTGTGTAAA TGAGATTGAG CAAAGAGGTC TGACTGAGAC	120
AGGCCTGTAT AGGATCTCTG GCTGTGAACC GCACAGTAAA AGAGCTGAAG AGAAATTCCT	180
CAGAGTGAAA ACTGTACCCC TCCTCAGCAA AGTGGATGAT ATCCATGCTA TCTGTAGCCT	240
TCTAAAAAGA CTTTCTTCGA AACCTCAAAG AACCTCTTCT GACCTTTCGC CTTAACAGAG	300
CCTTTTTGGA GGCAGCAGAA ATCACAGATG AAGACAACAG CATAGCGCCC ATGTTACCAA	360
GCTGTTGGTG GAANTGCCCC AGGCCAACAG GGACACTTGG TTTTTCCTCA TGTTTCATTG	420
CAGNGAGTGG TTCAGAGTNC NCNTATTAAA TGGGTGT	457
(2) INFORMATION FOR SEQ ID NO:518:	
<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 355 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:518:	
GGCAGAGCTT TTTTGTATTT TTAATTTTGT ATTATTGAAA GCCTTGGAGA TCTCACAGAT	60
AGATATGCCA AATTCTATAT TTTGTAAATN CTCTATATTA GAAAACAGCT GTGCACACAG	120
GGCGGGTGTG CTCATTTGTA CTGTGTGTAT GTCGGTGTAT GTACTGGTGT ATATGTGTGT	180

GTGTTCATGC TGTGGACTGG TCTCACACAG GATGTTTTCC CTGATTTCAG ATTTGGCAGT

TTTGGGTTTT CCAAGGTACC ACCAGAGCAG TGGGTGTGTG CTTTTGGGGT ACNTATGCTC

240

CAGATTAAGT AGGAGGATGC ATGGGNCCAC ANTGCCCCAT NTTTCNGGAC AG	CAGG 355
(2) INFORMATION FOR SEQ ID NO:519:	
(i) SEQUENCE CHARACTERISTICS:  (A) LENGTH: 374 base pairs  (B) TYPE: nucleic acid	*
(C) STRANDEDNESS: double (D) TOPOLOGY: linear	•
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:519:	
GGCANAGACG GAATTACTCC TTGTNTGTNT ACCTGGTGAG GCAGTTGACT G	CAGGGAANN 60
CTTGTACANA AACTCAGAGC AAAGGGTATC CGNANCNCAG ACCACTCGGG G	GNCACTGAT 120
CAAGGAGNAA TTGAACTGCT GACCCTGAAC AGTGAAGGTG GCCACTACAA G	TCTCCGGGT 180
GTCACTCATG TGCCCGCTAG NAAGNNTGCG CCTGAACTGT CCCTTGTNGT G	CCCTCACCT 240
GCGNCCACCT GCAGAGCTTN GGATGCTGCC CTTTATCTAC AGATGAATGA G	AAGAAGCCT 300
ACATGGACAT GTCCTGTGTG TGACAAGAAG GTTCCCTATG GAATNTTTAN T	CATGANGGG 360
TTNATTATGG NGAT	374
(2) INFORMATION FOR SEQ ID NO:520:	
(i) SEQUENCE CHARACTERISTICS:  (A) LENGTH: 179 base pairs  (B) TYPE: nucleic acid	
<pre>(C) STRANDEDNESS: double (D) TOPOLOGY: linear</pre>	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:520:	
CCANAACGCC AACGCCTCGA CAACTATAAC CATTNACCTA ACACGCGCGA A	CAAAACGCC 60
TGGATGCCTC CCACCCGCC GGCTGGCCGG CCGGCCTCCT ACGAACCTAC G	CTGCGACTC 120
CNCCCCNGCG GCCTCGCCAC GCGAACTCTC CGACTACTNC ACACGCNCTC N	ACTCCCGC 179
(2) INFORMATION FOR SEQ ID NO:521:	
<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 490 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:521:

GGCAGAGGGN GACCGAGGCG ATGCTATACG ANAAGTTCAG CCCGGCCGGG CCTTATCCTC

TCCATCCGGG TCTGCAGGGA ACATGATCAC CCGCCGCTCC	TTGGGTTACG	CGTAGTTAAA	120
CTTCCAGCAG CCGGCGGTAC GCGGAGNGGC TNNTGGAACA	CCATGAATTT	TGAATGTTAT	180
TAAAGGGCAA GCCAGTTACG CATCATGTGN GTCTTCAGCG	TGNATCCATT	CACTTTCGGC	240
AAAAGTGGGA GTAGGGCANC ATATTTCATT TAAAAATCTG	GGACAANTCC	ATTGNTAATA	300
AAAGCACTGT ATGATACATN TTCCTGNNTT TTTGGTNACA	TCCTTTCCAT	GTAAGTTGGT	360
TTNTAATTGN AATGGGTTNC CAAGGGGNTT TGGGNTTGTA	CATTTTTAGA	NGTGGTGNNT	420
NTCCTTACGA TGGTNGTTNN NAAAAANTGA TTGGAATGTT	CCNNAATGGA	TCNCAAAGTT	480
TTTTTNGGGN			490
(2) INFORMATION FOR SEQ ID NO:522:	:		
<ul><li>(i) SEQUENCE CHARACTERISTICS:</li><li>(A) LENGTH: 365 base pairs</li><li>(B) TYPE: nucleic acid</li></ul>			
(C) STRANDEDNESS: double (D) TOPOLOGY: linear		•	•
			•
	22	•	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:5	22:	1 4	
GGCAGAGTNA AAGGAGGAAT TGCAGATGCC GATGGAAGAC	TGATGCAGGG	TGACCAGATA	60
TTAATGGTGA ATGGGGAAGA CGTTCGTAAT GCCACCCAAG	AAGCGGTTGC	CGTTTGCTAA	120
AGTGTTCCCT AGGCACAGTA ACCTTGGGAA GTTGGAAGAA	TCAAAGCTGG	TCCATTCCAT	180
TCAGAGAGGA GGCCATCTTC AAAGCAGCCA GGTGAGTGAA	GGCAGCCTGT	CCATCTTTCA	240
CTTTTNCCAC TCTCTGGNTC CAGTACATCT GAGTCACTGG	NAAATTAGCT	TCAAAGAAGA	300
ATGCATTGGC ATCTGAAATA CAGGGGTTAA GNACATCGAN	ATGANAAAGG	GCCCTATTGA	360
TTCAN	,		365
(2) INFORMATION FOR SEQ ID NO:523:	·		
<ul><li>(i) SEQUENCE CHARACTERISTICS:</li><li>(A) LENGTH: 127 base pairs</li><li>(B) TYPE: nucleic acid</li><li>(C) STRANDEDNESS: double</li><li>(D) TOPOLOGY: linear</li></ul>			
	Sec.		
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:5	23:		
NGGGNCAGTG AATCCTCCGN CCTCTTGGCA CACCAGGGAC	CGCTCGTGGG	ACTCCACATC	60
CTCCAGCCCC CACAATCCTN TTCAGGGCTC CCTGACATNO	CTGGGGNTGG	NAGAGNCCAT	120

(2) INFORMATION FOR SEQ ID NO:524:	
<ul><li>(i) SEQUENCE CHARACTERISTICS:</li><li>(A) LENGTH: 128 base pairs</li><li>(B) TYPE: nucleic acid</li><li>(C) STRANDEDNESS: double</li><li>(D) TOPOLOGY: linear</li></ul>	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:524:	
TCCNTCCATA GGCACACTGG NTCATNTNAG AGCCCCTGGG ATCGTTTACA GGGAAGTTCC	60
CACATGAGGG CCCATGTGTG ACNTGTTATG GTCCGATCCC GNTGNTCTGN GTGGATGGGT	
TTTTNACC	128
(2) INFORMATION FOR SEQ ID NO:525:	
<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 327 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
	•
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:525:	
GGCACGAGTG GCAGTGGGCA TGGCGACCCC CTCCATTTAA AACTCTAACC ACCTCCCCCT	60
GGCTCCAGCT CTTNATCAAT GCCCGAAACT GGACCCTGGG AAGAGAGNCT GNCTGACTGG	120
CCANNGGAGC TCACCTGGGA CCCCATGGCN TTTNAACCTA AGTGGGTCCT GCCCCTCCC	180
CCATGAACCT TNAGGAGCAC CCCATATTAT TTCCAAAAAT ATCTTGGACA GGCAAGGNCC	240
AAAATGCCAA AATCTCAGNG GACTTGATGA TCTGCCTGCT GATGTTTCCT TCTGTGGGNT	300
GTGGTCTATT TTTNAGTTNC TGCTCTT	327
(2) INFORMATION FOR SEQ ID NO:526:	
<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 384 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:526:	
GGCAGAGTGG AGATGTTTNA TTACCTGGAG TGTGAACTCN NCCTCTTNCA AACAGTATTC	60
AACTCNCTGG ACATGTCCCG CTCTGTGTCC GTAAGGCAGC AGGGNAGTGC CGCCTCGCCC	120
CGCTGATCCA GGTCATCTTG GNACTGCAGC CACCTTTATG AACTACACTG TCAAGCTTCT	180

•	
TTTCAAACTC CACTCCTGCC TCCCAGCTGA CACCCTGCAG GCCCACCGGG GACCGNT	PTC 240
ATGGGNGCAG TTTTACAAAG TAAAGTGGGT TCAAGTAAAC AGGAATGGAG GTGAATT	rca 300
AGGGCGTTNT AAAATNCATT TAAGGCCTGG GAGTGCAATG GGGGAATTTG GGGTTCAI	NTG 360
GNAACTGNCT TACCGGTTCA AGGG	384
(2) INFORMATION FOR SEQ ID NO:527:	
<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 363 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:527:	
GGCAGAGCTC TGGAGAGGCA GGCACAGGGG CACCNGNCNC GTNATGCAGC TTCGCCC	TGG 60
GTTACCTCTA TGGCTCGGAC CAGCTGGTGG TGAGGATCCT GCAGGCCCTG GAACCTC	CCT 120
GCCAAGAACT CCAACGGCTT CTAAAACCCC TACGTCAAGT ATCTACCTGC TGCCTGA	CCG 180
GAAGAAAAAG TTTCAGAACC AAGGTGCACA GGAAGACCCT GGAACCCCGT TCTTCAA	TGT 240
GAACGTTTGC AATTCTGCGG TGCCCCTGGC CGGAGCTTGG CCCAAACGNC AAAATTG	CAC 300
TTTCAGCGTG TTATGAANTT TGAACCNTTT TTGGTGGTCA GGACCTCATC GGNNCAG	GTG 360
GTG	363
(2) INFORMATION FOR SEQ ID NO:528:	
<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 399 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:528:	
GGCAGAGTNT GACTTCAAAA TCAAAACTGT AGAGCTAAGA GGAAAGAAAA TTAGATT.	ACA 60
GATCTGGGAC ACAGCAGGTC AGGAGAGATT CAACAGCATT ACCTCAGCTT ATTACAG.	
TGCCAAGGGG ATCATATTAG TATATGATNA TCACTGAGGA AGGAGACATT TGAATGA	
GCCGAAATGG ATGAAGATGA TTGATAAGTA TGCTTCAGAA AGATGCAGAG CTTCTCT	
TTGGGAANTA AGTTGGACTG TGAACGGGAC AGNGGAATCC ACCAGGCAGC AGGGGAA	
TTTGCACAGC AGTTCACTTG GGTGCGGTCT TTTGAGCAAG TTCCCAGGGT AACTTCC	ATG 360

TGGGNCGGGN TTTTTTNGAA ACTTGTCGGT GNCCTTCCN

(2) INFORMATION FOR SEQ ID NO:529:	
<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 100 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
	-
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:529:	
NTGATTGTTC CAAGAGGTTC CGTTTTTTGG GGCCTTGGGT NAACCTTTGG GGGGGGTAAA	60
CATTTTTTNC CCCTGGTNGG CTTAAAGGNG CCCCCTTTAG	100
(2) INFORMATION FOR SEQ ID NO:530:	
<ul><li>(i) SEQUENCE CHARACTERISTICS:</li><li>(A) LENGTH: 389 base pairs</li><li>(B) TYPE: nucleic acid</li><li>(C) STRANDEDNESS: double</li></ul>	
(D) TOPOLOGY: linear	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:530:	
GGCAGAGCCC ACGCACAGCA CTTCCACAAG CACCAGCTGT GGCCCAGCCC CTTCCGGGCG	60
CTGAAACCCC GGCCAGGNCG NCAAAGACCG CAGAAAGNAA GGGCCAGGNG GTGTTCATGG	120
CCGCCTCGCA GTGCTGGTAC TTTGACGAGA AGACGATGCA GAAAGCCCGG AGTAAGCAGT	180
GGGATGAGCC GAGGGTGTGC TCCCGGAGTT ACCTGAAGGT GGACTTCGCA GACATCGGCT	240
GGNATGAAAT GGTATAATNT CACCGAAATC TTTTGATGCC TACTACTGCG CGGGAGCATG	300
TNAATTCCCC ATGTCTNAAA TCGTTTCGTT CCATCCAACC ATGCCACCAT NCAGAGCATT	360
GTTCAAGGNT TTGNGGCATC ATCCCTGGG	389
(2) INFORMATION FOR SEQ ID NO:531:	
<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 279 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
(vi) SPONENCE DESCRIPTION, SEC. ID MO. 521.	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:531:	
ATGGTGCAGA GCAACCNAGT GCTCTATACG CCCGGCAAAG AGCCTGAACC ACTGNTAGNA	60
TNCGAAGTAT GTGCCCGTAC GTGGGTNAAC AGCAAGCCCG CGCTGGAATG NGTATACCTC	120
GGAGNCTGAA TGCTGGGAGG NAACCAACAC ACTGGTGCTG CACAACACGT GTAAGGGTCT	180

CGCTGCTGGC CGCACCCATC ATGCTGGAAC CTAGCGCTGC TGAACCGAGC TGTGCAAGNG	240
AGTGAGTTTT CTGNCNCTGA NCATGGGACC CCGAAGNCG	279
(2) INFORMATION FOR SEQ ID NO:532:	
<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 114 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:532:	
GGCANAGAAA AAAAAAAAA AAAAAAAAA AAAAAAAAA AAAAAA	60
AAAAAAAAA AAAAAAAAA AAAAAAAA AAAANGNCCN GGGGGGGGNC CCCN	114
(2) INFORMATION FOR SEQ ID NO:533:	
(i) SEQUENCE CHARACTERISTICS:	
(A) LENGTH: 454 base pairs (B) TYPE: nucleic acid	
(C) STRANDEDNESS: double (D) TOPOLOGY: linear	
	•
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:533:	
GGCANAGGNC TGCTCAAGGC CACGGAGCCC GGGTTATTCG GCGTGTGGGC GCACAATGGC	60
	120
GAGGTGCGTA CCGCCAGTCT GCTGAGCGAG CGCAACGCAG CCAAGCAGAG GCTGGTGGTG	
CTGGTCAAGG ACAATGGCGA GCCTCCGCNC TTNGCCACCG CCACGNTGCA CGTGCTCCTG	180
GTGGACGGTT TCTCCCAGCC CTACCTGGGG CTCCCGGAAG GCGGCCCCGG GACCAGGCCA	240
ACTNCGCTCA CCGTTTTACC TGGTGGTGGC GTTNGCCTTC GGTGTCTTCG GTTCTTCCTN	300
CTTTNTNGTG CTTCCTGTTT CGTGGGCGGT GNGGNTTTNC ANGNAGNAGC ANGGGGGNCC	360
CCGTTGGGGT TCGTTGNTTC GGTGCCTNAA GGGCCCTTTT CCAAGAAAAT TGTTGGATTT	420
TAGGGGNAAC GGAACCTATT CCANAGTTAC CATT	454
(2) INFORMATION FOR SEQ ID NO:534:	
<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 225 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	

⁽xi) SEQUENCE DESCRIPTION: SEQ ID NO:534:

•	
AATGCCGTTT TCTGTTTCGT GGGGCATCCT CCTGCTGGNA GCCTGTNCTG CCTGGTCCCT	60
NNTTCCNTGG NTGAGGATCC CCAGGGAAGA TGCTGCCCAG AAGACAGATA CATCCCACCA	120
TGNATCAGGA TCACCCAACC TTTCAACAAG ATCACCCCCA ACCTGGCTGA ANTTCGCNTT	180
CAGCCTATAC CGNCANTGGN ACACCAGTTC CAACAGGACC AATAT	225
(2) INFORMATION FOR SEQ ID NO:535:	·
<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 230 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:535:	
CATCTNGAAA ATNCATGNGA AAATTAGTGN AATGAAGTTA ACTGANATTT GTCAAAAACA	60
TGTGTTGCTG ATGAGTCAGC TGAAAATTGT GAACAAATCA CTTTCATACC CTTTTTGGGA	120
GACAAATTAT GTCACAGTTG CAACTCTTGG TGAACCTATG GTGAAATGGC TGACTGCTGT	180
GCAAAACANG GAACCTGNGN GAAATGNANT GGTTTTTGGC AACCACAAAG	230
(2) INFORMATION FOR SEQ ID NO:536:	
<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 486 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:536:	
AAGAAAAGAC CCAGCCTCCC TTCCAGCCCG TCTCCTGGCC TCCCAAAGGC TTCTGCCACC	60
TCAGCCACTC TGGAGCTGGA TAGACTGATG GCCTCACTCT CTGACTTCCG CGTTCAAAAC	120
CATCTTCCAG CCTCTGGGCC AACTCAGCCA CCGGTGGTGA GCTCNACAAA TNAGGGCTCC	180
CCATCCCCAC CAGAGCCGAC TGGCAAGGGC AGCCTAGACA CCATGCTGGG GCTGCTGCAG	240
TCCGACCTCA GCCGCCGGGG TGTTCCCACC CAGGCCAAAG GCTTCTNTTG GCTCCTGCAA	300
TAAACCTATT GCTGGGCAAG TTGGTGACGG CTCTGGGCCG CGNCTGGCAC CCCGAGCACT	360
TCGTTTGCGG AGGCTGTTTC CACCGCCCTG GGAGGCAGCA GTTCTTCGAG AAGGATGGAG	420
CCCCCTTTTG CCCCGAGTGC TACTTTGAGC GGTTTTTGCC AAGATGTGGG TTCTGNAACC	480
AGCCCA	486

(2) INFORMATION FOR SEQ ID NO:537:

<ul><li>(i) SEQUENCE CHARACTERISTICS:</li><li>(A) LENGTH: 232 base pairs</li><li>(B) TYPE: nucleic acid</li><li>(C) STRANDEDNESS: double</li><li>(D) TOPOLOGY: linear</li></ul>		
	. •	•
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:537:		
TNAAATTTTA ACCATGTGGG AAATCNTGCA CATCCAGGTC TGGNCAG	TTT GGCAACCANA	60
TCGGTGCCAA GTTCTGGGAA GGTGGATCAG TGATGNAACA TGGCATC	GAC CCCACCGGNN	120
ACCTGACCAC GGGGACAGCG GACCTNGCAG CTNGGACCGG TATCTTT	GNG GTACTGACAA	180
TTGAAAGCCA CAGGNGGCAA AATATGTTNC TGCGTGCCAT CCTGGGT	GGA TT	232
(2) INFORMATION FOR SEQ ID NO:538:		
(i) SEQUENCE CHARACTERISTICS:		
<ul><li>(A) LENGTH: 309 base pairs</li><li>(B) TYPE: nucleic acid</li></ul>	•	
(C) STRANDEDNESS: double (D) TOPOLOGY: linear		•
(5) 10102001 221002		
	1:	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:538:	•	
GGCAGAGCTC GNCNTNCGNC CTCCAGCCTG CAGCTCACGG TGACCCA	GGT AAAGACTTGG	60
TTCCAGAACC GCCGCAACAA GTGGAAGCGG NCANTCTCGG CTGAGCT	GNT AGGCGNCCAA	120
NATGGCGCAC GNNTCGGCGN AGACTNCTGG TGGAGCATGC CGCTGGT	GTT CCGGGAACAG	180
TTCGCTGCTG NCCGTGCCGG TNCCGCNTTC GCTCGCCTTT CCCGCGC	CGN TCTACTACCC	240
GGGGAAGCAA CCTCTNGGGC TNACCNNTCT ACAACCTATT ACAACAA	GCT TCGACTAATG	300
GACCGGGCC		309
(2) INFORMATION FOR SEQ ID NO:539:		
<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 347 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>		
(vi) CEONENGE DECORTORION CEO TO VO 530		
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:539:		
GGCAGAGAAG ACATTTCCCA GCAACCACTG GTGCAGGTGG CAGCCTGG	GGT GCATTGGGGA	60
GTATGGGGAC CTCCTGCTGG CAGGAACTGG AAGTTGATTG AGCCCCT	rca ggtggacgag	120
TAGGAAGTGC TGGCATTGCT GGGAAAAGGT GCTGCAGTCC CACATGTG	CCC TGNCCAGTTA	180

CTCGAGGGAT ATGCCCTCAN AGCCCTTCAT GTAAGCTTCA GCACTTCGCC	TCTTTGGGGG	240
ACAACAACCG GCATCCGCCA GTGGNTGTTC CATCTACGGG AAGCTGNTTT	GGGACGTGGA	300
GCTGTCANCA NCGGTGCTTT GGGAGTTNGG ACACAATTTT TCCGGAA		347
(2) INFORMATION FOR SEQ ID NO:540:		
<ul><li>(i) SEQUENCE CHARACTERISTICS:</li><li>(A) LENGTH: 337 base pairs</li><li>(B) TYPE: nucleic acid</li><li>(C) STRANDEDNESS: double</li><li>(D) TOPOLOGY: linear</li></ul>		
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:540:		
GCTTAATAAA ACACATCCGG TAATTTATAA CGTCTGCAAT TATCAGAAAC	CCGCTGCCGG	60
TGAGCCTGCG TTGTTACTCT GGGATGATGT CATAACCTTA TTCCATGAAT	TTGGTGATAC	120
GCTGCACGGC CTTTTTGGCC GTNCAGNNTT ATGCCACGCT TTCCGGCACC	AACACGCCGC	180
GNGTTTTTTT CGAATTTCCG TCGCAAATGC AACGAACACT GGGGCAACGC	ATCCGCAGTA	240
TTTCGCTCGC TACGCCCGGC ATTATCAGAG CGGGGCAGCA NTGNCTGACG	AACTGCAACA	300
GAAAATGCGT NATGNCAGCC TGTTCAACAA GGGTATN		337
<ul> <li>(2) INFORMATION FOR SEQ ID NO:541:</li> <li>(i) SEQUENCE CHARACTERISTICS: <ul> <li>(A) LENGTH: 126 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul> </li> </ul>		
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:541:		
GGCANAGGGN ACCATGGAGG GTGTAGAAGA GAAGAAGAAG GAGGNTCCTG	CCTGTNCCAG	60
AAACCCTTAA GNAAAAGCGA NGATTTTCGC AGAGCTGNAA GATCAAGCGC	CTGAGAAAAG	120
AAGTTT		126
(2) INFORMATION FOR SEQ ID NO:542:  (i) SEQUENCE CHARACTERISTICS:  (A) LENGTH: 285 base pairs  (B) TYPE: nucleic acid  (C) STRANDEDNESS: double  (D) TOPOLOGY: linear		

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:542:

TTAAATCCAN NTCCATACAA CGCTCCGCCG CCGNTCCTGC CGNGAACCCG	GAACTGCCCG	60
CCACNCGCCC CCTGCCCGAC AGCTCCGTNA CTATGGAGGA TATGNANCGA	ANTACAGCAA	120
TATAGAAGGG AATTCGCCAG AGGGGATCCA AGATCAACGC GAGCAAAGAT	TCAGCAGGAT	180
GGACGGTGAA AATNTTTATT GGAGGCTTGA GCTGGGNTAC AAGCAAANAA	GATCTGGACA	240
GAGTACTTTG TNTCGTTTTG GGGGAGTTNT AGACTTGCAC ATTTA		285
(2) INFORMATION FOR SEQ ID NO:543:		
<ul><li>(i) SEQUENCE CHARACTERISTICS:</li><li>(A) LENGTH: 397 base pairs</li><li>(B) TYPE: nucleic acid</li><li>(C) STRANDEDNESS: double</li><li>(D) TOPOLOGY: linear</li></ul>		
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:543:		
CTGGGGCCGA CGCTCTGNCC GGNTGCTGCC CTGAAGGAAA GCCGGGACGC	GGNGCCCCGC	,60
CGAGAAGCTT CTTTGCTCCG GAACGCCCCT GGACGTGGCG GGCAGCCGGA	AGGNNTAACC	120
ACCATGAATC CCCTGGGTGC TCCTGGCCTG TGNCCCTCCC CTGTGNCTGC	TGACCCACTG	180
CTTGGCGCCT TTGATTCGCA GGGACTTCCG GAAAGGGTCC CCTCAACTGG	TCTGCAGCCT	240
GCNTGGCCCC CAGGGCCCAC CCGGNCCCCN AGGAGCCCCA GGGNCCTTAA	GAATGATGĢG	300
ACGAATGGGG TTTTTCCTGG GAAAAAAGGG TCCAAATTGG ACNAAGAANG	GGGAACCGGG	360
GGGGACAAAC GNGNAGGAAG AAATTTTTTT TTTCNAA		397
(2) INFORMATION FOR SEQ ID NO:544:		
<ul><li>(i) SEQUENCE CHARACTERISTICS:</li><li>(A) LENGTH: 296 base pairs</li><li>(B) TYPE: nucleic acid</li><li>(C) STRANDEDNESS: double</li><li>(D) TOPOLOGY: linear</li></ul>		
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:544:		
AGCACGAGCT GGCATGTNAC AACCCAGGGC TGCCTGAAAA TGGATACCAA	ATCCTGTACA	60
AGCNACTCTA CCTGCCAGGA GAGTCCCTCA CCTTCATGTG CTACGAAGGC	TTTGAGCTCA	120
TGGGTGAAGT GACCATTNNT TGCATCCTGG GAACAGCCAT CCNACTGGAA	CGGGNCCNNT	180
GCCGTNTTGT ANAAGTAGGC AGAAGCGGCA CAGAGACGTC GCTGGAAGGG	GGGGGAACAT	240
GGCCCTCCNT ATCTITUCATIC COCCTCCTNIA TOATNITNOTT TANTETTCCC	ACCACC	296

(2) INFORMATION FOR SEQ ID NO:545:

(i) SEQUENCE CHARACTERISTICS:

(A) LENGTH: 234 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: double (D) TOPOLOGY: linear	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:545:	•
ATGNTTTGTG CCGCTGAGCA GTACACACCC AAGGCCAAGT ACCATGGCAA CGTGATGCTA	60
NTGCNCGCCA AGACGGGTGG NGCCTACGGC AGGTNCCTGG GCGCGGACTA CAACCTNTCC	120
CAGGTATGCA ACGGGAAAGT ATCCGTCCAC GTGCATCGNG AGGTGACCAC CGCACGCTGC	180
TGGTAGGGCA GGGNCCTNGT AGTTCCATCA TCAGCATCAT CCACAGNTCC CTNG	234
(2) INFORMATION FOR SEQ ID NO:546:	
<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 493 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:546:	
GGCAGAGGTT TTAANATCTT CTTCAAGAGA CGTCTGATGA ACCTCATGCG GGATGTGGAG	60
CGGGAGGCC TGGACTGGGA ACCTCATCTA TGTGGGCCGG AAGCGGATGC AGGTGGAGCA	120
CNCCGAGAAG GCTGTGCCTC GCGTGAAGGT AACCTGGTGG AGGCCGACTA TTCCTACTGG	180
ACCCTGGCCT ACGTGAATCT CCCTGCAAGC GGCCCGCAAA CTGCTGGCTG CTGAGCCGCT	240
CTCCAAGATG CTGCCTGTGG ACGAGTTCCT GCCCGTTAAT GTTCGACAAA CACCCAGTGT	300
CCGAGTTACA AGGCCCACTT CTCCCTCCGC AACCTGCATG TTTCTCTGTG GAGCCGTTGT	360
TCATTTTACC CCACACATTA CACAGGAGAC GATGGGTATN TGAAGTTAAC ANCGAGACTT	420
CATCGTATGG AACAATGAGC AAGTTAAGAC CGATTGGAAC NGGCCANTTC CAAAGTTTNG	480
GGGNAGCAGG ATT	493
(2) INFORMATION FOR SEQ ID NO:547:	
<ul><li>(i) SEQUENCE CHARACTERISTICS:</li><li>(A) LENGTH: 115 base pairs</li><li>(B) TYPE: nucleic acid</li><li>(C) STRANDEDNESS: double</li><li>(D) TOPOLOGY: linear</li></ul>	

⁽xi) SEQUENCE DESCRIPTION: SEQ ID NO:547:

CCTCAAAAAG TCCGGGAAGC TGAAATCCCC GAATGGNTGG T	PATACCGTCA	NGCTGGNCAA	60
GCACAAAGAG CTTGACTNCC TNACGATGAA GGAACTGGTT T	rctacacgcg	AATCT	115
(2) INFORMATION FOR SEQ ID NO:548:			
<ul><li>(i) SEQUENCE CHARACTERISTICS:</li><li>(A) LENGTH: 65 base pairs</li><li>(B) TYPE: nucleic acid</li><li>(C) STRANDEDNESS: double</li><li>(D) TOPOLOGY: linear</li></ul>	· · ·		
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:548	B:		
GGCANAGGNC ATTTTTNCTG GCTATAAAGC GGGGTCTCCG G	GAACCAAAGG	NNGCACACAG	60
CTCTT			65
(2) INFORMATION FOR SEQ ID NO:549:			
(i) SEQUENCE CHARACTERISTICS:		•	
<ul><li>(A) LENGTH: 272 base pairs</li><li>(B) TYPE: nucleic acid</li><li>(C) STRANDEDNESS: double</li><li>(D) TOPOLOGY: linear</li></ul>			
(D) TOPOLOGI: Timear			•
	· ,	· · · · · · · · · · · · · · · · · · ·	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:549	9:		
GGCACAGCTC GGCGAGANAN AGCTTACTCA AATTGGCCAA C	CATACCCTCA	GCTGTATGTG	60
AAAGGGGAGC TNGTGGGAGG ATTGGATATT GTGAAGGAAC T	ragaagnaaa	TGGTGAATTN	120
CTGCCTATAC TGGAGAGGNG AAAATTNAAT AAATCTTAAA C	CTTGGTGCCC	AACTATTGTA	180
AGAAATATTT GAATTNACAT TGGGAAGCAG TTTCATGATT T	TTAGTCCTCA	GAAATGGGTT	240
CTAGGGNNTT AGGAAAATTT CCTGNCTTTN CT			272
(2) INFORMATION FOR SEQ ID NO:550:			
<ul><li>(i) SEQUENCE CHARACTERISTICS:</li><li>(A) LENGTH: 377 base pairs</li><li>(B) TYPE: nucleic acid</li><li>(C) STRANDEDNESS: double</li><li>(D) TOPOLOGY: linear</li></ul>		•	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:550	D:		
TACAACTGAA ACCTCCAGTA CCTTAGAGGT AAGANCTCAG G	GCCCTATCC	TCACAGCAAG	60
TGGCAAAAAC CCTGTAATGG AGCTCATTGA AAAAAGAAGA G	GTCTCAAGT	TATGANCTCA	120
TCTCAGAGAC TGGTGGNAAG CCATGNACAA GCGCCTTTGT G	GAATGGAGGT	AGCAAGTAGA	180

TGGACAGAAA TTCAGAGGCG CAGGTCCAAA TNAAGAAAGT GGCAAAGGCG AGTGCCAGCT	240
TTTGGCTCCT TGNGNAGTAA ACTTTTTTTT GGGACCCAAT GCGGGCAAAT TAATTAAGGA	300
AAAAGNAAGA TTTATTCCCT TCAGGGCAAA GGGGNCGTTT GTGGAATTAC AGCTNGTTTT	360
CTNNCAGCAG TCCCAAG	377
(2) INFORMATION FOR SEQ ID NO:551:	
<ul><li>(i) SEQUENCE CHARACTERISTICS:</li><li>(A) LENGTH: 360 base pairs</li><li>(B) TYPE: nucleic acid</li><li>(C) STRANDEDNESS: double</li><li>(D) TOPOLOGY: linear</li></ul>	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:551:	
GGCAGAGCCC TGATCGACCC CAACATCTTG TNTCTNAACA TCCTCTCTC CGGATACATC	. 60
CACCCAGCCC AAGATGACCG GACCTTTTAC CAATTTAAGG CTGCGTGGGA CAGCTCCATG	120
CACAACTTTN TCCTGCTGAA CCGGGTCACC CCTTATCGAG AGAAAATCTA CATGACACTC	180
TCCGCTTATA TCGAGATGGA GAACTGCACC CAGCCGGCTG TTGTNACCAA GGAACTTCTG	240
CATGGTCTTC TATTCCCGTG AATGCCAAGC TTGCCAGCCT CGGGGTNCCA TCCGCAACCT	300
CTTTGGGCAG TGGGAGCCTT CGGGCCTNCA NAGGAGTNAA CCGTGTGAAC TGGTGTNTTA	360
	360
(2) INFORMATION FOR SEQ ID NO:552:	
<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 474 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:552:	
GGCANAGNAT TTTTNACTTT AGCAACGTGA TCTTCCTTTA AGGGGAAGTA TGTCCCCTCC	60
TAGAAACACT CCCGCCTTGG AGAAGGGGTT GAGTTCGCAA CTCCACTTAC AGACTACGGA	120
GGGAACCCCA GGGTCAAACC AAACCAAACC AATTCTGGCC AGTTGCTTAG CGCATTCAAG	180
TTACTTAGTG CGCTGGAAGG GCATTTTCAG GCAATCCAAC TTCTGGCTCG AACCTTCTCG	240
GAGTATTCCA AGGGATGGGA ATACTCTNCA CTTGAGGCGC TTGCCGAGGG TGGCCGCTTT	300

GAGGNAAAAC GTGANTTTNT TGAAAGAAAT GTTTTGTTNG CCAGATTACA GTTTCCACCA

TTCTNACATN AAGTATGTGG GAAAACAGGA NGTTATCCCT TTTGGGTTCC NGGGGTCTTC

360

420

CAGAACCATT AGGGGGCAAA CATCCCAATT TGNTTN'	TGGG CACTTCCAAG AGNC 474
(2) INFORMATION FOR SEQ ID NO:553:	
<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 317 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
(xi) SEQUENCE DESCRIPTION: SEQ ID	NO:553:
ATGAAGATGG GTGGNCTGCC GCGTACAACA CCTCCA	ACTC AAAAGCCCCC TAGTCCCCCT 60
ATGTNAGGGA AAAGGGACAC TTGGGCGGCA CTCCCC	CTAT CGCACACTGG AGCCAGTNCG 120
TGCCTCCAGT GGTACCAAAT GAATTACNTA CCTAGC	CCAA CCNGTAAATA TGGCTCCCTC 180
GCAGCAAAGC CCTGTGAAGG ACAGTTTCTT TGAAAT	CAAA GAAATCGAAC TTACAGCAGC 240
ANTGGGNGTA NTGGAGGGAA GCCACCCAAN TAGTCG	GAGC ANCAATCGAG AGAACATTGG 300
AATGGGTTAT TTGGGGG	317
(2) INFORMATION FOR SEQ ID NO:554:	
<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 206 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
(xi) SEQUENCE DESCRIPTION: SEQ ID	NO:554:
ACTNGGCCCG TTCCGCGCCA GCAGTTCCCC TATGAA	CCGC AAGCTNNTTT CCACTGCNTT 60
TTTGGCAAAC AGCGAANGGG ACTTCTATTA TGAGTG	GGGC AGTTTTCGGG GGGCAAAGTG 120
GCCAGGGTAT ATGATTTTAC TAGGGGCTGC CACATG	GCCA TCCTGGNGGA CAAGGCCATG 180
GGCATCATGG NTGCNTGGNG GGGNGG	206
(2) INFORMATION FOR SEQ ID NO:555:	
<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 302 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:555:

ANATGGCCCC CGGGAAACAC AGCAAGANTG CCAGCTTCCT GTTTGGNATG CGGAACAGTG

NCAGCCAGTN AATGAGGACT CAAGCTGGGC TACCTTTATC C	CNAGGGNCAG	CCCCTGCCTA	120
ATGGNTCCCC AAAGGACACA GAATTCCTTC TGGAAACCCC A	AACGCCTTCA	AGAACGGATT	180
CCAACCTGCC GGTTGGATGG TTGAGGGTCC AGGACACCTC A	AGGGACCTAT	TNACTGGCAC	240
ATTCCCAACA GGGGACCACC CAGTGGGGAA CCCCCCGGGC C	CGGGNTNTCC	NNTTTAAAGG	300
GG	: •		302
(2) INFORMATION FOR SEQ ID NO:556:			
<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 347 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>			
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:556	5 <b>:</b> .		
NAAGCCCATA GCTCAGCAGG CGGCACGGCG GCCTGACCTT N	NAGGGCAGCN	AGCTCCCTCC	60
CGGTTTCGCN TTCCCTCGCG GTCAGCATGA AAGCTTTCAN T	CCCGTGANG	TNCCGTTAAG	120
AAAAANAGCC TGTGGGAACC ACAGCCTGGG NATCTTCCCG G	GTGGCAAANN	NCCTNTGGGA	180
CGACCCGNTG AGCCTGCTAT TACAACATGA ACGANTGTTA N	NTCCAAGTTC	AGGAGTTGGT	240
GCCCAGCATC CCCCAGAACA GGAGGTGAGC AAGNTGGGAA T	TTNCTGCAGC	ACGTCATCGA	300
TTACATTTNG GACNTGCAGT TCGCCTGGGA TTGGNTTCCA T	rtttgtt		347
(2) INFORMATION FOR SEQ ID NO:557:			
<ul><li>(i) SEQUENCE CHARACTERISTICS:</li><li>(A) LENGTH: 318 base pairs</li><li>(B) TYPE: nucleic acid</li><li>(C) STRANDEDNESS: double</li><li>(D) TOPOLOGY: linear</li></ul>			
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:557	7 :		
GGCAGAGGGN CGGGGCCTAG TAATGGAAGG GGTGANATGT G	GGGCGGGCG	AGCTGTGGGT	60
GGGGCCTAGC CATGGGAAGA GGTGAGCTGT GAATGGGGCT A	AGCTATGGGT	GGGGTAAGCT	120
GTGGACAGGG CCTAGCCATG GGAAAAGGTG AGCTNTGGGC G	GGGCCTAGT	CACGGGAAGA	180
GGTGAGCTGT GGGCGNGGCC TAGTCATGGG AAGGGGTGAG C	CTGTGGATGG	GGCCTAGCCA	240
TGGGAAGGGG TGAGCTGTGA GTNGGGCTGA GCCATGGGAA G	GCAGCAAGCT	NGTGGAGTNG	300
GCTNGGCCGG ACTGTGGN			318

(2) INFORMATION FOR SEQ ID NO:558:

(i) SEQUENCE CHARACTERISTICS:

(A) LENGTH: 454 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: double (D) TOPOLOGY: linear	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:558:	
TGAACCAGCA GTATATGTAA TATNNTNATG CCCAGGACAC AGAGACTTTA TCAAAAACAT	60
GATTACAGGA CATCTCAGGT GACTGTTCTG TCCTGATTGT NGTGTGGTGT TGGTGANTTA	120
AGTGGTATCT CCAGANGGGC AGACCCGAGG CAGCCNTCTG GTTACACACN GGGNAACAAC	180
TATTGTCGTG TTACAAANGG TTCCATGNCC ACNACANCAA NGATNGGGAA TTGTTAGGAG	240
TCACATTACA TAGNATTGGT ACACCCGACA CATAGCATTT NCCANTNCTG GTGGATGTGC	300
ACNGTGGNCC AGTGNTACAG CTTGNTCAGG GTGGAAGTCA CNTAGGTGGC ATGCCATGGA	360
CCNGTTGTTG GGCNTGGATG CNTCTACCAC CACTGTCCAC TGACAGCCTT GGGCTGCNTT	420
CCAGGTGTTT CAAATTGGTG GTTTGGTANG TTCC	454
(2) INFORMATION FOR SEQ ID NO:559:	
<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 192 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
GEO ID NO.559	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:559:	60
GGCANAAAG ACGCAANCCC ATGAAGCTNA GGTCTTGAAG CAGCTGGCTG AGAAAACGAG	120
AGCACGAGAA AGAAGTGCTT CAAAAGGCAA TAGAAAGAGA AACAACAACT TCAGTGAAAA	180
TGGCAGANGA GAAAACTGAA CCCACAAANT GGGAGGCTAA TTAAGNNGAA CCGAGAGGCA	192
CAANTGGCTG CC	102
(2) INFORMATION FOR SEQ ID NO:560:	
<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 52 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:560:

## (2) INFORMATION FOR SEQ ID NO:561:

(i) SEQUENCE CHARACTERISTICS:

(A) LENGTH: 414 base pairs

(B) TYPE: nucleic acid

(C) STRANDEDNESS: double

(D) TOPOLOGY: linear

## (xi) SEQUENCE DESCRIPTION: SEQ ID NO:561:

тGAAGGGCCA	TGGCTATGCT	TCCCTGGCTC	CAAGGGCCCA	TTTCCTCCTA	GATGCCCTTT	60
		GGAACAGGCT				120
		CTGTGCCCAG			-	180
		*	*.		ACTCCCAGCT	240
					GGGTTCTCAA	300
					TTNCCAGCCT	360
and the second second		CCCAAGGGGC			• '	414
		<b>X</b> 0 FC	<b>2</b> -		.*	

#### (2) INFORMATION FOR SEQ ID NO:562:

- (i) SEQUENCE CHARACTERISTICS:
  - (A) LENGTH: 465 base pairs
  - (B) TYPE: nucleic acid
  - (C) STRANDEDNESS: double
  - (D) TOPOLOGY: linear

# (xi) SEQUENCE DESCRIPTION: SEQ ID NO:562:

TTTCCAAACA	TTCTATAGAA	ACTCACAGTG	ТАТАТАААТА	TAATACATTC	TGCTTTTACC	60
TTTTTNACCA	GATTCTTCAT	TTTCCTGATG	GAGAAAGGTA	TAAAAATGTC	AATATCATGA	120
			AAAAATTTCA			180
			TAGGTAATTA			240
			GGGGGAAGAT	·		300
					GCATTTCCAG	360
					GGGNGGTATA	420
•	,		GGTGGTTACC			465

### (2) INFORMATION FOR SEQ ID NO:563:

- (i) SEQUENCE CHARACTERISTICS:
  - (A) LENGTH: 193 base pairs
  - (B) TYPE: nucleic acid

(C) STRANDEDNESS: double
(D) TOPOLOGY: linear

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:563:	
GGCACGAGGT CCTGCAAAAG NGTTGTGGGA AAAGCTTCTA TGTCCTGCAG AGGCTNAAGG	60
TGCACATAAG GNNCCACAAT GGAGAGAAGC CCTTNATGTG CCATGAGTCT GGCTGTGGTA	120
AGCAGTTTAC TACAGNTGGA AACCTGGAAG AACCACCGGC GCATNCACAC AGGAGNGGAA	180
ACCTTTCCTT TNT	193
(2) INFORMATION FOR SEQ ID NO:564:	
(i) SEQUENCE CHARACTERISTICS:  (A) LENGTH: 193 base pairs  (B) TYPE: nucleic acid  (C) STRANDEDNESS: double  (D) TOPOLOGY: linear	
	•
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:564:	
GGCANAGGGA AAGGTGCGTN TGGGGCTGGG TCTCGGAGTG GGAGACGTGG AGTNCAGGGT	60
GGAATGTAGC AAAGCCCATC CACCAGCCAT GTACTACCCC CCAACCCGGN CAGGCTGGAG	120
CAACCGTTTN TGGGGAGCCG AGCCCCGTTT CTNGCTGCGG TGAGCCCGGA CTGGGGCACG	180
NACTGGCCAN ACT	193
(2) INFORMATION FOR SEQ ID NO:565:	
(i) SEQUENCE CHARACTERISTICS:  (A) LENGTH: 469 base pairs  (B) TYPE: nucleic acid  (C) STRANDEDNESS: double  (D) TOPOLOGY: linear	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:565:	
AGCCAGANTT CGTCTCTTGT CCTGCACTAT AGATTTCACA CTGGAGAGAA ACCCTACAAA	60
TGTAATGAAT GTGGACGAGC CTTTGGTCAC ACTTCATCCC TTATTAAGCA TCAGAGGACT	120
CATACTGGAG AAAAGCCCTA TGAAATGCCG GGTAATGTGG GAGAACCTTG AGCCAGAGCT	180
NCATTCACTG CATTGTGCAT TACAGATTTC ATACTGGNAG AGNAAACCTT CACAAATGTA	240
ATAAATGTGG GAGAGCCTTC AGCCAGAGTT CCATCTCTTC ATTCAACATT TACAGNTTTT	300
CACACTGGGA GAGAAACCCT ACAAATGTAA TGAGTGTGGG AAGGGCCTTT GCNTCCTAAT	360
GTATNCCTTN GTTAAACATC CGGTGAAGTC NTGTTGGGGA AAAAAAACCC TATAAATTCC	420

AGTGGATTTT AGNAGGGGNT TTCAAGTGGG NGTGCCAGAC CTTCATTGG	409
(2) INFORMATION FOR SEQ ID NO:566:	
<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 487 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:566:	
GGCACGAGTG CCACCTGACT GGANGAGAGC ATCCTTCCAA CAGGGCAGTC AGGCCAGCCC	60
TGATTTAAAG CCAAGTCCAC AAAATGGAGC CACGTTCCCG TCCTCTGGAG GATATGGCCA	120
GGGAATCACT GATAGCCGAT GAGGAGTCCC AGGAGTTTGA ATGATTTAAT ATTTGCATTA	180
AAAACTGGTG CTGGTCTCAG TGTCAGTGAA TANTGAAATC TGGTCAAGGC AGCCAGGAGG	240
GGGCACCTT GGACTGACTC CCAGATCGTG GAGCTCCAGG AGGATACCCA TCGCCGACAC	300
GGGGCACCTT GGACTGACTC CONSTITUTE GACTGAGGCA CATTTTCCAT ATTTGTATTC TCACCTGTAG CACCTTCACT TAACCATTTC GACTGAGGCA CATTTTCCAT ATTTGTATTC	360
AGCTTTTGT GGTTAAAAAT CTCTAAGTNA CATCCACCTG TGTAATTAGG AACCNGTGGA	420
AGCTTTTTGT GGTTAAAAAT CTCTAAGTNA CHTCONGOOD  ATTGTTACTG GGTGGTTTAA TACCAAACGT GGTTTGTTGN TATTTGGNGT ATAAATTACT	480
ATTGTTACTG GGTGGTTTAA TACCAAACGT GGTTTGTTCM TATTGTTACTG	487
GGNTTGT	
(2) INFORMATION FOR SEQ ID NO:567:	•
<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 380 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	·
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:567:	60
GGCAGAGTGC CACTGNCCAC CCGGTTTCCA AGGCTCCAAC TGTNAGAAGA GGGTGGACCG	60
GTGCAGCCTG CAGCCATGCC GCAATGGTGA GGCCTGGAGG CTGNANCGGC GAGGGNTGGG	120
GTGGGGGTCC TGGATGGCTC ANACAGTNCA GGGTTGGGAA TCCTGGCTTT GAACTCTTCT	180
GAACCCTAGG GCCTGGGGAC CTGACCTTCT ACCTGCAAGC CTGTAAAATG GGCAAGGAGA	240
CATTCCCTAT CTNATAACTA TTAATATTTA CTGAGGAATT ACTGTGTGNC CAGGCCCTAT	300
TTTTAGGCAC TGNGGTTACA GCAGGGAATG AAACCGACAA AGTCCCTGGG CCTGCCTGTT	360
AGAGNTNAGG TGCCCGGTNT	380

(2) INFORMATION FOR SEQ ID NO:568:

<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 65 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	•
CEO ID NO.568.	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:568:	<b>C</b> 0
TTTTTTTTT TTTTTTTTTTTTTTTTTTTTTTTTTTTT	60 65
GCCCN	65
(2) INFORMATION FOR SEQ ID NO:569:	
<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 271 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:569:	•
CTAGATGAAA TGGCCAAACA AGCTCGAAAT CTCATCACTG ATATTTNCAC AGANCAGTGT	60
ACCCTTAGTG ACCAGTTGCT ACCCAAGCNT TGTCCCAAAN CTATCAGTCA AGCAGTGNAA	120
TAAGAAATCA AAAAAGCAGA CTGGTAAGAA AGGGGAACCT GNAAAGGNAG NAAACCAGGT	180
TAAGAAATCA AAAAAGCAGA CIGGTAAGAA AGGGGIINGO TAAGAAATCA AAAAAGCAGA CIGGTAAGAA AGGGGIINGO TAAGAAATCA AAAAAAGCAGA CIGGTAAGAA AGGGGIINGO TAAGAAATCA AAAAAAAGCAGAA CIGGTAAGAA AGGGGIINGO TAAGAAATCA AAAAAAAGCAGAA CIGGTAAGAAA AGGGGIINGO TAAGAAATCA AGGGGIINGO TAAGAAATCA AAAAAAAGCAGAAATCA AAAAAAAAAA	240
GTTGAGAGCA TGAGGAAAAA CAGGCTGGTT GTGNACCAAC CTTGNATAAA TTGCACACTG	271
CACTTTNTGN AGTTATGCTT CTNTATGATT T	2
(2) INFORMATION FOR SEQ ID NO:570:	
<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 329 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:570:	
GGCACGAGCN ACAATCCGGC CAGTGCCCAG GCTGCCATCC AGGCCATGAA TGGNTTCCAG	60
ATCGGCATGA AGCGCCTCAA AGTCCAGCTA AAGCGGCCCTA AGGATGCCAA CCGGCCCTAC	120
TGAGGGCCCC CAGGTCTGGA GATCCCANAG GAAGGGGCGC CTCANACCCT CTTCCCACGA	180
CTGGCCNCGG CCATCTCCGC ACACCTGCCC TGGGCCTTGA CTGGGTTCTG GGGCAAACGA	240
TGCTTACGTG GCCCCGGGGG CGCAAGANNA CCGGCCNTTC CCACNCCCCT GNCTGTTTGA	300
ANGOGOGAMO COMGAMOAMT TOCOTGGGT	329

(2) INFORMATION FOR SEQ ID NO:571:	
(i) SEQUENCE CHARACTERISTICS:  (A) LENGTH: 221 base pairs  (B) TYPE: nucleic acid  (C) STRANDEDNESS: double  (D) TOPOLOGY: linear	
TD VO 571.	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:571:	60
GGCACGAGGN ACACCAAAGG CTTGGTGAGA NCGCTCGGGG AGGAAGCCCT GCTGAGAATA	120
CGTTCTCTCC ATAAATNAAG AAGGGCTAAG GCGATGCGAN GAGAATACAA AAGTNTTTGG	
TCGGCCTATC AGCTCATGGA CCTGCCTGGT GGACTTGGAA GGGCTGAACA TGCGCCACTT	180 221
NTGGAGNCCT TGTGTNAAAA GCGCTNCTGC GGTATNCATC G	221
(2) INFORMATION FOR SEQ ID NO:572:	
<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 143 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:572:	
CTCCTACCTG CNGGCTNCCC TAGNGGTNAA CTCCTCCCTT AGTGGCCAAN GACATCAAGA	. 60
AGATCTTGGA CAGCGTGGGT ATCGAGGCGG ACGGACGACC GGTNCAACAA GGTTATNCAG	120 143
TGAGCTNGAA TGTGGGNAAA ACA	143
(2) INFORMATION FOR SEQ ID NO:573:	
<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 323 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:573:	
GGCAGAGGTG CTCACTGGAG CTGTGCAAAA TGGGCTTGCC CTGGTGAGGC CTCCCGGGCA	60
CCATGGTCAG AGGGCGGCTG CCAACGGGTT CTGTGTGTTC ANCAGCGTGT CCATAGCAGC	120
TGCACATGCC AAGCAGTAAC ACGGGCTACA CAGGATCCTC GTCGTGGANT GGGATGTGGA	180
TGCACATGCC AAGCAGTAAC ACGGGCTTON CONTROL OF THE TOTAL ACTTCTCCTG CCATGNNCAG GGGATCCAGT ATCTCTTTGA GGATGACCNN AGCGTCCTTT ACTTCTCCTG	240
CCATGNNCAG GGGATCCAGT ATCTCTTTCA GGGTAC GGCACCGTTA TGAGCATGGG CGCTTNTGGC NTTCCTGCGA GAGTCAGNTG CAGCGCATNG	300
GGCACCGTTA TGAGCATGGG CGC11111000	

323

60

GGCGGGGACA GGGCTCGGCT TNA	323
(2) INFORMATION FOR SEQ ID NO:574:	
<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 230 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:574:	
AGTAGAGCCA CTTCATCTCT GGNATGGTNT TACAAAGTCA GNCAGNAAAG CAGAGCAGGA	60
CANGGAGGGC CTTTTGTCCC TGGTAATGTG TTTGGGATCT ANTTCCCGAT GCTGCGATGC	120
TGCGGGAAGC CTTGGGAGGG CTTTAAAGCA GGGGCGTGGC TTGCCTGTAT TTATTNCAGC	180
TGTGTNGGAG AATGATTTGT AATACAGCAA ANGNTTNAAA GGAAGGGCAG	230
(2) INFORMATION FOR SEQ ID NO:575:	
<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 355 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:575:	
GGCCATAAAA CAAGGCTTCC AGTTTCGCCG AGTTTGGNAG GGTGTTTTCC GGCAACGNCA	60
GTANCCAGAT TGGTCACATC ATCGTAAATA CCAACCGTAA AGCGCGCTTT CGGTTTAGCC	120
GCGTTGAGCT CGGCAAATAC CGCCAGTACA CAGTCTGGGC CAAATTCTTT GGATGAANGA	180
CCATAGCGCC CACCAATGAA CACGGGGCAG AGTTTCGCGC TCGCNATTAT TGAAAGGCTT	240
CTGCCCAGTG AGGGTACATT TACATCCAGA TAGAGCGGTT TTGCNTGGGG GCACCGGGGT	300
TNCTTTGGGT TCTGTCCAGT TACCGTCANG GTTGGGTACG GGNTNCCGGG CAGAA	355
(2) INFORMATION FOR SEQ ID NO:576:	
<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 437 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:576:	

TCGCCAGACG GCAGCAAACT GGCATTCGCN TTGTCGAAAA CCGGTAGTNT GAACCTNTAC

GTAATGGATT TGGCTTCTGG TCAGATCCGC CAGTGAACTG ATGGTCGCAG TAACAATACC	120
GAACCGACCT GGTTCCCGGA TAGCCAGAAC CTGGCATTTA CTTCTAACCA GGCCGACCGC	180
GAACCGACCT GGTTCCCGGA 211124 GTGNGCANTN TAAAGCCGGG CGTGGCTTGC GCCANTGCGG GCTGACGGTG GAGCAACTGG	240
GTGNGCANTN TAAAGCCGGG CGTGGCTTGG CGCGAAAAGT TCATTTTTAC CATTGCGAAC	300
CCAGACAGGT GGAGCCGGAA TACACACCGG COUNTACAGGG CATTACGGCG TGGCGCGGGG	360
CACCGGGGCC TGNCGTTGGG GGTTCATCAG CNAAGACGGG CATTACGGCG TGGCGCGGGG	420
GTATTTNAT TGANTGGGGC AACCAGTTTA ATGAGGNGAA CCCGTTTCAC TTGCAACAGC	437
GTACCTTTNN CCAAGGG	
(2) INFORMATION FOR SEQ ID NO:577:	•
<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 298 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:577:	
ATCAGCAGGC GGTTACGGTT AAACTGCTGA ACCTGGAACN NCGGGNANAC CGGTTGNNGT	60
CGCGGCTTGT GTGCAGCGTT ANNGCACGGA GATGATGAAC GTNATTTNGG CCGGTNTGGA	120
TNGATCTGCC ACTGACGNCG CGANCAGTCG ACCGATCATT CGAGTTCCAC CTTCTTATTC	180
AGCAANCGAG AAGCGCGCCA TAAAGGGGCA ACATCAGGCC CATNACGNTA NCAGCGTAAT	. 240
GCTTGTTAGC TGCANCCAAA CGGGCAGTCA CGNTTTTTAA GGGACTGGGG CCTTGGTG	298
(2) INFORMATION FOR SEQ ID NO:578:	
(i) SEQUENCE CHARACTERISTICS:  (A) LENGTH: 194 base pairs  (B) TYPE: nucleic acid  (C) STRANDEDNESS: double  (D) TOPOLOGY: linear	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:578:	
NNTANAAGGN GGCCCAAGTG GCACAAATGC AGNAAACTCC CTCTGGTGAT GATTTCAGCC	60
TCTCCTTGGC AGATACTAAA TCTACCATCC GGAAGTGGAG CCAGAGCTNC GCATTTGCAT	120
TGCTAAAGCG TCTTTCAAGA GGTGCAGTCT TTGAAGGGCT GGGTANNGTN GCATCTGTGG	180
	194
GANCTGAAAA TTCC	
(2) INFORMATION FOR SEQ ID NO:579:	
(i) SEQUENCE CHARACTERISTICS:	

<ul><li>(A) LENGTH: 99 base pairs</li><li>(B) TYPE: nucleic acid</li><li>(C) STRANDEDNESS: double</li><li>(D) TOPOLOGY: linear</li></ul>	
GPO ID NO.579	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:579:	60
GCTGGCTGAT GAAACGCCGG AAGCCGNCAG TATTGTAATC CTCGCCAAGC AGCGTTTTAN	99
CCTNCGCGAC CCAATGTGCA GTCGCTCCAT GCCACCTTT	99
(2) INFORMATION FOR SEQ ID NO:580:	
<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 387 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
SEO ID NO.580:	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:580:	60
GAGGAAGCCA ACACCTTTAA ATTCACCCGT TGCGGGCCAG CTGCGGTGCC CAGCATATAG	
TGCGCGGTTT CGTAACTACC GGACCAGTCG CGCNGCCTCG TTACAGGCAT CTTTNAGCGT	120
CGCGAAACCG TATGCACCGG GATCACTTCC GCACCCATTA AGCGCATACG AAAAACGTTA	180
GGCGACTGGC GTTCAACGTC TTTGGCACCC ATATGAAATA CGGCATTTNA GGCCGAGCAG	240
GGCGACTGGC GTTCATAGGTO OF GGCGCTGGCA GCGGTTTCGG CGATGATTTC	300
GGCCCTCCCTTTCG CCAGNAAAGG CTGNCCCCAG CACTTGTTAA TTTTATGNGG	360
GNCGNCGTGC AGCAAATTTT CAGGTTT	387
(2) INFORMATION FOR SEQ ID NO:581:	
<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 451 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:581:	
AACATCAACG AAACTACGCC GCGTTTTNAA GATGCNTTTA TTGATTTCCT GGGCGGTGCC	60
GGAACCTCGG AATCGCCGNT GGGNGCAATA TTACATACGG TAGAAGGCAC ACCCGGCGAG	120
ACGGTGATCG AAGCGAAAGA NCTGACCAAG AAATTTGGGG ATTTTNCCGC CACCGATCAC	180
GTCAACTTTN CCGTTAAACG TGGGGAGATT TNTGGTTTGC TGGGGCCAAA CGGCGCGGGT	240
AAATCGACCA CCTTTAAAGA TGATGTNCGG TTTGCTGGTG CCGACTTCCG GCCAGGCGCT	300

GGTGCTGGGG ATGGATCTGA AAGAGAAGTT NCCGGTTAAA GCGCGCCAGC ATCTTCGGGC	360
GGTGCTGGGG ATGGATCTGA AMONOMOTO GGTGCTGGGG ACAGAATTTA TATTATGGCG GCAAAAATTT TTCGCTTTTA CGGTNAACCT GGACGGTCGA ACAGAATTTA	420
	451
CGGTTTTTCC TCTGGTGTGT ATTGGCTTAC N	
(2) INFORMATION FOR SEQ ID NO:582:	
<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 397 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:582:	
GGCACGAGTA AGGCTGGGGT ATCCTGGTGA NAACTGGAGA GGATCTACTC GGNTCCCTGC	60
CTGGCCAGTG GGGAAACACC GGTCCCCCAG GCACCTTCAC CTAACCAAAG CGATAGATTT	120
CCACCGCCC TNATGCCGCC CTTTGGAGGN AAAGTGAAAA GTGAAAAGGA AGGAAGAGGA	180 .
GGCTTCATGG CTGAGGAGGT CGCAGCGCCA TGAAAGTCCC TGTTTCTGCC TCCTCGCTGT	240
GGCTTCATGG CTGAGGAGGT CGCAGCCCCA TOTAL GGCTTTGGGT GAGCNAACCC CGCGAACTCA TCGCCCAAGA AACTAGAGGG AAGCGGAGGG	300
GGCTTTGGGT GAGCNAACCC CGCGAACTCA TCGCCCACT GGGGCAGGTT CACCAGACAT	360
GAGGTGGCCC CACTGGGAGC CGATGCCANG NTTGGGGAGT GGGGCAGGTT CACCAGACAT	397
ACAAACCGTT TCTTNATTNG TTTCCCTATN AGGCAAG	
(2) INFORMATION FOR SEQ ID NO:583:	
<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 502 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
	^
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:583:	
CCCACGAGAA CGGAGACTGC ATTGACATAG ACGAGTGCNC CAACGACACC ATGTTTGGTA	60
GCCNCGGCTT CTNTAACAAC ACTNATGGCT CCTTCCGCTG CCTCTTTAAC CAGGGCTTCG	120
AGATCTCTCC CTCAGGCTGG GACTGTTTGG ATGTAAACNA NTGTAAGCTT ATNCTGGCGG	180
TATGTGGGGC CGCGCTCTGT NAGAACGTGG AGGNCTNCTT CCTGTGCCTC TTTGCCAGTA	240
ACCTGGAGGN GTACGATGCC CAGGAGGGGC ACTGCCGCCC ACGGGGGGCT TGAGGTCAGA	300
ACCTGGAGGN GTACGATGCC CAGGNOSOFF GTATGTTTGA GGGCCNCAAC GGGGGGACCA TGCCCCGGCC CCCACCCGGT TGGACTGCNA	360
GTATGTTTGA GGGCCNCAAC GGGGGGACCT 2000	420
TTCCGGGNAG AAGGGNCATG CGCCCTGCTC CAGTNTCCTG GGCCGGAACA NCACANAGGC TGAATNNNTG TTGCACCCAG GGCGTTAGTT GGGGAGTGCT NTAAACCTGT GCCCGTTTTA	480
TOLINA DIEGO MECCACCCAG GGCGTTAGTT GGGGAGTGCT NIAAACCTOT GGGGAGTGCT NIAAACCTOT	

502 .

GGAATTAGTT GAATTCAGGG AG	
(2) INFORMATION FOR SEQ ID NO:584:	
<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 491 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:584:	
CCAGCCATTT CCTGCTCTAC GTACGTAATT CCNCCGCCGG ATGGCAGGGT GACATGGATT	60 .
TACCGCCGCA GCCGCTGATA CCTTACGCCG ACTGGTAAGT TTTCAGANAG CGCCTCTCTT	120
AATGCCGCTG CGATCGGGTA TACTCGGGCG GCAATCTGGG ATTTCCGGGG GGAGACAATT	180
TGCGCGTAAG TCGCTCGTTA ACAATCAAGC AGATGCCAGC NCTTGCCAGA ATNAGCGCGT	240
CGGTGAAAAA AACAGCCGCA TNAATTGAGC ATCGAACAGG GTGCCGCCAG CATTGCGCCA	300
AACAGAGGTT TCAGGACTTC TCTACGNTGT GAAAAGAAAG CTGGCGACTG CTTCCAGGAA	360
GAATGAAAAA TAGCAAGCCG ATTTCAGGAT GCCCGGCAGC CCGNAAAGCG NCTTTNATGT	420
GAATGAAAAA TAGCAAGGGG TITTGCCCCCC GCGTCGCCAG AAAAAGGCAC ACCACATTGA AGGGGGACAA AAANCAGCAG GTTTGCCCCC	480
	491
GGCCCAACGT T	
(2) INFORMATION FOR SEQ ID NO:585:	
<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 337 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:585:	
GGCACGAGCN AGNCCCGACG CCGCCGACGC CCCTACGACC CCAACAGCGT CCGCATCANC	60
TTNGCCAAGG GCTGGGGGCC CTGCTACTCC CGGCAGTTCA TCACCTCCTG CCCCTGCTNN	120
ACTGGAGATC CTCCTGCAAC AACCCCAGAT AGTGGCGGCC CCGGCGGGAA GGGGCGGGTG	180
GGAAGGCCGN GGCCACCGNC ACCTGCCGGC CTCGAGAAGG GGCCGATGCC CAGAGNACAC	240
AGCCCCCACG GACAAAACCC CCCNGATTAT CATNTTACCT AGATTTNAAT NTAAAATTTT	300
ATATATTATA TGGGAAATTA TNTGATTATA ATTTGTT	337
(2) INFORMATION FOR SEQ ID NO:586:	
(i) SEQUENCE CHARACTERISTICS:	
(i) SEQUENCE CHARACTERIZET	

(A) LENGTH: 498 base pairs

(B) TYPE: nucleic acid

(B) TYPE: nucleic acid (C) STRANDEDNESS: double (D) TOPOLOGY: linear (xi) SEQUENCE DESCRIPTION: SEQ ID NO:586: GTTTTTTTAC TGGCAACCCC NACGCTGTGG CNGTTTTNCG CNTGGGGCGG TAATGCAGTC 60 AGCGTAACGG TACTGGTGGC GCTGCTGGTC TGTNTNATCC CAACCACTAT TGGCGGCCTG 120 TNGTCAGCGA TCGGNGTCGC CGGGATGAGC CGGATGCTAG GCGCGAATGT AATTGNCACC 180 AGCGGACGTG CAGTTNAAGC GGCAGGTGAC GTTNACGTTC TGCTACTGGA TAAAACCGGC 240 ACCATCACAC TCGGTAACCG TCAGGCGTCG GAGTTTATCC CCGCGCAGGG CGTGGNTGAA 300 AAAACGCTGG CTTGACGCCG CACAACTGGG CTTCGCTGGC TGATGAAACG CCGGAAGGCC 360 GCAGTTATTG TGAATCCTCG CCAAGCAGCG TTTTTAACCT GCGGCGGACG CGATTNTGCA 420 GTCGTTCCAT GCCACTTTTT ACCGTTTANT GCGNAAGCCG GTTNAGCGGG GTCAACATCG 480 498 GCAACCGNAT GNTCCGTA (2) INFORMATION FOR SEQ ID NO:587: (i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 431 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: double (D) TOPOLOGY: linear (xi) SEQUENCE DESCRIPTION: SEQ ID NO:587: GGCAGAGCNA ACGGCGNGGC AGCGCACNGC AGGCGGNATT CATTCCACTT AAAACCTGAA 60 AACATTGGAC CACACAAAGT CTTACTGATT TCAGGTAAAA ACAATAATTG AAGATGTCCA 120 GCAAAACAGC AAGCACCAAC AATATAGCCC AGGCAAGGAG AACTGTGCAG CNTTTAAGAA 180 TTAGAAGCCT CCATTGAAAG AATAAAGGTT TCGAAGGCAT CAGCGGACCT CATGTCCTAC 240 TGTGAAGGAA CATGCCAGGA GTGACCCTTT GCTGATAGGA ATACCAACTT CAGAAAACCC 300 TTTTCAAGGA TAAAAAAATT GCATCATCTT ATAGTGGATA GAGAAACAGT TCTTGGCTCT 360 TCCCAACAAG GCAATTTTGA GCNGTCCTTG NAGNGTTTAC CTCAGTTATT TGGTAACCNN 420 431 GTTATAATTA A (2) INFORMATION FOR SEQ ID NO:588: (i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 339 base pairs

(C) STRANDEDNESS: double
(D) TOPOLOGY: linear

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:588: GGCTGCGGTC AGGGCTTCAA ACATGAGTCC TTTGCCCTGC CATTTTTGCC CAATCGAATA 60 ACCGAGATAG CAGGCATGAA AAGAGCCACG AACAACATTG GAAAAATTGG CAACGCATGA 120 AATCTCTTTT TCGTCCGGGT CGAATAAGCC AAAGTAGAAA GCTGNAACCT TGTTTATGAA 180 AATTGGTTAA ATCATCCCCA GCCTGGCCTG CCAACCTGAT GGATAAACAG TGGGCTTTGC 240 GTCGCGGCAC TGGCTTCCCA GGGCTTTGAG GGAAATGGGC GNTTTCTNCT GCGTGAATAA 300 339 NTCCGCAAGN ACGGCCAGGC ATTCACGNTT CATGCACCA (2) INFORMATION FOR SEQ ID NO:589: (i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 340 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: double (D) TOPOLOGY: linear (xi) SEQUENCE DESCRIPTION: SEQ ID NO:589: AATTTGTCTC ANCCGATGCC GGCTACCAAG GGGCGCCACA GCCGNAGGNG CTGGTCCGAG 60 GTGGATGTGG ACTGGCTGAT CGCCGAGCGC GCCGGCAAGG TAAGAACCTT GAAACAGCAT 120 CCACGCAAGA NCAAAACGGC CATCAACATC GANTACATGA AAGCCAGCAT CCGGGCCAGG 180 GTGGAGCACC CATTTCGCAT CATCAAGCGA CAGTTCCGGG CTTCGTGAAA GCCAGATTAC 240 AAGGGGTTGC TGAAAAACGG TAAACCAACT GGTCGATGTT ATTTCACGNT GGTCAACCTN 300 340 TTTTCGGGNG GNACCAAATG ATTACGTCAT GGGGGAGAGN (2) INFORMATION FOR SEQ ID NO:590: (i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 247 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: double (D) TOPOLOGY: linear (xi) SEQUENCE DESCRIPTION: SEQ ID NO:590: CGCCTTAATG GTCCGACGNG CCTAAAGTTA ATTNAGGATT TAAGTAAGCG GAAAACGCGT 60 NATCGAATGG GTACGCCATT TATGCGTGAN CTGGAAGAGA AACGCAATCN NTTAATGGTA 120 AATCGGGGGC GTTTCTGCGC CCCCATGCTG CCAACATTTA CAAATNCTTT NCACTTCCCT 180

GCACTATCCG ACACTGTCAC CATCCATAAT TNAGGCTTAT NTGTTTGTTA NCAGTAACCT	240
TATGTTT	247
(2) INFORMATION FOR SEQ ID NO:591:	
<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 257 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
20 501	,
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:591:	60
AACAACACCG GTATTACGCA AAACTTATCG TACATTGGCG GCTAAAACGN CAAAAGGAGA	
GATCAGATGA GTCAGGTAAG CACTGAATTT ATCCCGACCC GTATTGGCTA TTCTNACGGT	120
TTCNAATCGN CGCGGTGAAG AAGACGATAC CTCCGGTCAC TATCTGCGCC GATTCGGCGN	180
AAGGAAGCGG GCCATCACGT TGTCGATAAA GCCATTGTGA AAGAAAACCG NTGACGCTAT	240
TNGGGCTCNA NGTATCT	257
(2) INFORMATION FOR SEQ ID NO:592:	
<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 277 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:592:	
AACCTGGTCA CAGTNAGCGA TCCACAAGAC CTGGCAGGCG ACGGAGTGTN CCTTGATCAT	60
AGCGAGCCCT ACGAAGCCTC GGCGGAATTT ACCCAGGTNT GGCGGCGTTT ATTGCAGAGA	120
AGAAACCGTC GNATTTCAAC GGTAAACATA TTCATGTGCC GCGGAGCAAT AACTNCTCTT	180
CCCGGCGAAT TTCAACAGCC GTATCCGCTC ACTTTANCTT TGGCGGATCG TNNAGATGTN	240
GCCCAGNAGC TGGCGGCAGG AACAGGTTGA TCTCTAA	277
(2) INFORMATION FOR SEQ ID NO:593:	
<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 250 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	

⁽xi) SEQUENCE DESCRIPTION: SEQ ID NO:593:

	60
TGCCCAGAGN CGGGGGTTAA AGAGGAGGAA GATGGCAGAT AAGGTTCTAC CTCACCNAAT	120
CCGGGAGCTT GTTCCANAGT NTCAGGCGTA CATGGNTCTT TTGGCTTTTG AAGCGGAACT	
GGTACCAGAC CATTGCTNCG CAAGCGGGAT GGAGATCCAN GTAGGCCATC AAAAAGCCTC	180
TGNNCACAAA AGCGAAGTTT CGGGATCTGA CATTTTCCAA TAAGTTCATT CCCAGCAAGG	240
AGGNAAGGNG	250
(2) INFORMATION FOR SEQ ID NO:594:	
(i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 269 base pairs	
(B) TYPE: nucleic acid (C) STRANDEDNESS: double	
(C) STRANDEDNESS: double (D) TOPOLOGY: linear	
(b) Toronoor: 22	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:594:	-
ACGTTTTNAG CGGAGGCCCA GCTAATGTTT NAGTATTTAC CCGAACTNAT GAAAGGGCTA	60
CACACNAGCC TGACGCTAAC CGTNGCCTCG CTGATTGTGG CACTNATTCT GGCATTNATT	120
TTAACCATCA TCCTGACGCT GAAAACGCCG GTNCTGGTGT GGCTGGTGCG GGGTTATATC	180
TTAACCATCA TCCTGACGCT GAAAACGGGG CTGCTGTG CAGATCNTNC TNNTTTATTA CGGGGCCGGG ACGCTGTTTA CCGGTACGCC GCTGCTGGTG CAGATCNTNC TNNTTTATTA CGGGGCCGGG	240
ACGCTGTTTA CCGGTACGCC GCTGCTGGTG CAGAILLAND	269
CCAGTTTCCG ACTTTNCAGG AGTATCCGG	205
CCAGTTTCCG ACTTTNCAGG AGTATCCGG  (2) INFORMATION FOR SEQ ID NO:595:	
	203
(2) INFORMATION FOR SEQ ID NO:595:  (i) SEQUENCE CHARACTERISTICS:  (A) LENGTH: 352 base pairs  (B) TYPE: nucleic acid  (C) STRANDEDNESS: double	203
(2) INFORMATION FOR SEQ ID NO:595:  (i) SEQUENCE CHARACTERISTICS:  (A) LENGTH: 352 base pairs  (B) TYPE: nucleic acid  (C) STRANDEDNESS: double  (D) TOPOLOGY: linear	203
<ul> <li>(2) INFORMATION FOR SEQ ID NO:595:</li> <li>(i) SEQUENCE CHARACTERISTICS: <ul> <li>(A) LENGTH: 352 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul> </li> <li>(xi) SEQUENCE DESCRIPTION: SEQ ID NO:595:</li> </ul>	203
(2) INFORMATION FOR SEQ ID NO:595:  (i) SEQUENCE CHARACTERISTICS:  (A) LENGTH: 352 base pairs  (B) TYPE: nucleic acid  (C) STRANDEDNESS: double  (D) TOPOLOGY: linear  (xi) SEQUENCE DESCRIPTION: SEQ ID NO:595:  AAAGAAGCGA TTAGCATNAA ACAGGTTCTA TCGGTTTCTC NGGTTTNCAC AGCTTCACGC	60
(2) INFORMATION FOR SEQ ID NO:595:  (i) SEQUENCE CHARACTERISTICS:  (A) LENGTH: 352 base pairs  (B) TYPE: nucleic acid  (C) STRANDEDNESS: double  (D) TOPOLOGY: linear  (xi) SEQUENCE DESCRIPTION: SEQ ID NO:595:  AAAGAAGCGA TTAGCATNAA ACAGGTTCTA TCGGTTTCTC NGGTTTNCAC AGCTTCACGC CACGGAANGA TTACGCGGTG CATCAGGCAC AGNTTTTNCG GCGGTGTAGA AGTATCANCC	
(2) INFORMATION FOR SEQ ID NO:595:  (i) SEQUENCE CHARACTERISTICS:  (A) LENGTH: 352 base pairs  (B) TYPE: nucleic acid  (C) STRANDEDNESS: double  (D) TOPOLOGY: linear  (xi) SEQUENCE DESCRIPTION: SEQ ID NO:595:  AAAGAAGCGA TTAGCATNAA ACAGGTTCTA TCGGTTTCTC NGGTTTNCAC AGCTTCACGC CACGGAANGA TTACGCGGTG CATCAGGCAC AGNTTTTNCG GCGGTGTAGA AGTATCANCC TGCGGTTNAT TCAGCAAGCT GCTGGCTTTC ACCAGCNTAA TGTCTGGCGG CAGGTTATAA	60 120 180
(2) INFORMATION FOR SEQ ID NO:595:  (i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 352 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: double (D) TOPOLOGY: linear  (xi) SEQUENCE DESCRIPTION: SEQ ID NO:595:  AAAGAAGCGA TTAGCATNAA ACAGGTTCTA TCGGTTTCTC NGGTTTNCAC AGCTTCACGC CACGGAANGA TTACGCGGTG CATCAGGCAC AGNTTTTNCG GCGGTGTAGA AGTATCANCC TGCGGTTNAT TCAGCAAGCT GCTGGCTTC ACCAGCNTAA TGTCTGGCGG CAGGTTATAA ACCATCTTTT GCAACACGCG TACCGTTGCC AGGGTGAGGA TGCCCAATGG NAATGGTTCG	60 120 180 240
(2) INFORMATION FOR SEQ ID NO:595:  (i) SEQUENCE CHARACTERISTICS:  (A) LENGTH: 352 base pairs  (B) TYPE: nucleic acid  (C) STRANDEDNESS: double  (D) TOPOLOGY: linear  (xi) SEQUENCE DESCRIPTION: SEQ ID NO:595:  AAAGAAGCGA TTAGCATNAA ACAGGTTCTA TCGGTTTCTC NGGTTTNCAC AGCTTCACGC CACGGAANGA TTACGCGGTG CATCAGGCAC AGNTTTTNCG GCGGTGTAGA AGTATCANCC TGCGGTTNAT TCAGCAAGCT GCTGGCTTTC ACCAGCNTAA TGTCTGGCGG CAGGTTATAA	60 120 180 240 300
(2) INFORMATION FOR SEQ ID NO:595:  (i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 352 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: double (D) TOPOLOGY: linear  (xi) SEQUENCE DESCRIPTION: SEQ ID NO:595:  AAAGAAGCGA TTAGCATNAA ACAGGTTCTA TCGGTTTCTC NGGTTTNCAC AGCTTCACGC CACGGAANGA TTACGCGGTG CATCAGGCAC AGNTTTTNCG GCGGTGTAGA AGTATCANCC TGCGGTTNAT TCAGCAAGCT GCTGGCTTC ACCAGCNTAA TGTCTGGCGG CAGGTTATAA ACCATCTTTT GCAACACGCG TACCGTTGCC AGGGTGAGGA TGCCCAATGG NAATGGTTCG	60 120 180 240
(2) INFORMATION FOR SEQ ID NO:595:  (i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 352 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: double (D) TOPOLOGY: linear  (xi) SEQUENCE DESCRIPTION: SEQ ID NO:595:  AAAGAAGCGA TTAGCATNAA ACAGGTTCTA TCGGTTTCTC NGGTTTNCAC AGCTTCACGC CACGGAANGA TTACGCGGTG CATCAGGCAC AGNTTTTNCG GCGGTGTAGA AGTATCANCC TGCGGTTNAT TCAGCAAGCT GCTGGCTTTC ACCAGCNTAA TGTCTGGCGG CAGGTTATAA ACCATCTTTT GCAACACGCG TACCGTTGCC AGGGTGAGGA TGCCCAATGG NAATGGTTCG ANCCGTTGCG AACGCGGCCA GGTTCAATTG NGCCGATTGA AATTTGCACA CGGNTGTCCC	60 120 180 240 300
(2) INFORMATION FOR SEQ ID NO:595:  (i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 352 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: double (D) TOPOLOGY: linear  (xi) SEQUENCE DESCRIPTION: SEQ ID NO:595:  AAAGAAGCGA TTAGCATNAA ACAGGTTCTA TCGGTTTCTC NGGTTTNCAC AGCTTCACGC CACGGAANGA TTACGCGGTG CATCAGGCAC AGNTTTTNCG GCGGTGTAGA AGTATCANCC TGCGGTTNAT TCAGCAAGCT GCTGGCTTTC ACCAGCNTAA TGTCTGGCGG CAGGTTATAA ACCATCTTTT GCAACACGCG TACCGTTGCC AGGGTGAGGA TGCCCAATGG NAATGGTTCG ANCCGTTGCG AACGCGGCCA GGTTCAATTG NGCCGATTGA AATTTGCACA CGGNTGTCCC GTTTCATTTT GCGGAANCGT TCGAGGGATG ACCTTCCCGT TTNGGTCCNA CC	60 120 180 240 300

(A) LENGTH: 333 base pairs

(B) TYPE: nucleic acid (C) STRANDEDNESS: double (D) TOPOLOGY: linear	
770 77 NO 506	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:596:	60
AATAACGCGG GTAAACGGAA TCATCCATAC AAGCANGATA ATGANCGGGA ATGGAACGGA	_
AAATNTTCAC AATCGCAGAA ACGGTANNAT ACAGCTTCGC NTTNACAATG AATTTGCCCC	120
GGAACGCGTG AACATAAAGC AGAACGCCAA CCGGCAGNAC CAATGCACAA AGCCAAAAAA	180
ACCGGATACG AAAGGTGCAT TGCCAGCTTT TCCCATTACG GCCACGGAAC CAGCAGCCAC	240
ATGCTNCGGC TTCAGAACAT TAACCCAGTT ACCTCTGATT TTTAACATGG TGTTTCCTGG	300
CAGCCCAGGC AATGGGGGGN TTGCGNTNAT NCT	333
(2) INFORMATION FOR SEQ ID NO:597:	
(i) SEQUENCE CHARACTERISTICS:  (A) LENGTH: 274 base pairs  (B) TYPE: nucleic acid	
(C) STRANDEDNESS: double (D) TOPOLOGY: linear	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:597:	
CAGCAATGGC GTCAAGTTGG GCAAAANTAA CATTNTCCTG ATCGGNCCGA CCGGTTCCGG	. 60
TAAAACCCTG CTGGCTGAAA CCCTGGCCGC CCTCCNGGAT GTCCCGTTNA CCATGGACCG	120
ACGNGAACTN ACACTGAACC GAAGCCGGTT ATGTGGGTGA AAGACGTTGA AAAACATGCA	180
TTNNAGAAAG CTGTTGCAGN TAATGCGAAC TGNGAATGTC CCAGAAAGCN CAGGTGGTTA	240
TTGTCTTACA TGGGTGAATG GACCAAGATT TCTC	274
(2) INFORMATION FOR SEQ ID NO:598:	
(i) SEQUENCE CHARACTERISTICS:  (A) LENGTH: 78 base pairs  (B) TYPE: nucleic acid  (C) STRANDEDNESS: double  (D) TOPOLOGY: linear	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:598:	
ACAGACCCTC CTTNNTCCGT TTNTGGGGAA TACTTCCCTC GGGTGAACTG AAAGTAAATT	60
TTTTTTTTT CCCAAACA	78
(2) INFORMATION FOR SEQ ID NO:599:	

(i) SEQUENCE CHARACTERISTICS:

(i) SEQUENCE CHARACTERIZED (ii) SEQUENCE CHARACTERIZED (iii) SEQUENCE (iii) SEQUENCE CHARACTERIZED (iii) SEQUENCE (iii)	
(B) TYPE: nucleic acid (C) STRANDEDNESS: double	
(C) STRANDEDNESS: doubte (D) TOPOLOGY: linear	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:599:	
GTNAAAAAG GGCTCGGTGT ATTCNAAAAT AGCGGCGCGA ATTACCTGAA NCGCAATTGG	60
TGGTGGTTCT CCACAGGNTA CTTGTAAAAG CNAATTGGGA ATTATCAGCA ACAACCCGGA	120 180
AGTTTGCCGA TGTGCCGTAC CTGGGAAGGG CTTTCCCCGA CCAATAAACC CAGTGTACCG	240
ATTCTGGCAA TTCCTAACCA CAGCAGGTTA CTGGNCCAAA GGTGAACCAT TAAACTTACG	300
TGAATNCACT GNACGGAGAA GGAAACGGGC GCCAATTTTT GTTTTGCTTN ATGGATNCCG	320
CATGATATTC CCCGNCGGTG	320
(2) INFORMATION FOR SEQ ID NO:600:	,
<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 333 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
	,
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:600:	60
GGCAGAGGTA AAATGGACAT TTTAGGGGAA ANTCCTGTGG AAAGATAGCC CCTCCTCCTG	120
TTGTGTCTTC AGGGCCATTT CTTTTTATCA AATTTGTCTC TGAACTACGA AAACACATGG	
TGCAGGGTTT NCCATACGTT AATGAAATTT TCAAGANAGG TCCTGAATGT NCCCAGTAAC	180
TACACAACAC CTNAGTGGGA GTGAATGAAA GTCCCCCGGG ATTNCCCTGA ANAAAATAAT	240
GCCCAACAGC CTTGGAATGT CACTTNATNA TTGGTNCTTT TNCGCNCAAA GAATGTCCAG	300
AGAATTTATT CCTGGGAATT TGAAAAGGTT TTG	333
(2) INFORMATION FOR SEQ ID NO:601:	
<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 123 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:601:

TGTAACCCTC CCAAAGGNGC AGCTGGCCAN AAAACCATCG NTGCCCTTCT CNGTTGCCTT

60

CTGGTGAAAG GANTGATGAG CCACCGTGAA CGGAAGTTCC GTGCCCTCAG CATTANCACC	120
CTT	123
(2) INFORMATION FOR SEQ ID NO:602:	
<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 306 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:602:	
GGCTACGTAA AGAATAAAAT CAATCTCCCT NCNCAACGGT GGTAATTACN TTTAAATGAT	- 60
GGCCTCAAGT CGGTAAGCCG CTATGGNTGA TCCNGTTTTG AAACATTATG GCATGAAGGC	120
GAACGGCNTT TATTGTTACC TCANGCATCA AACGTCACCC GCAGAAGTGG AACCCAAAAT	180
CGCNGCAATT TATGAANCGT TTNTAAGCTT AACGGAAATT CGCGAATGTA TTTGATTTCC	240 .
CAGTCACCAT ACCCCTTTTT TNGCCATCGG GGTTAGGTGG GTTATGCGGN NGACCCNTAN	300
	306
TTACTG	
(2) INFORMATION FOR SEQ ID NO:603:	
<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 388 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:603:	60
CTGCACTGGG NNCATGAACT AGGCCTGGCC TTCACCAAGA ACCGANTGAN CTATACCAAC	120
AAATTCCTGC TGATCCCAGA NTCGGGAGAC TACTTCATTT ACTCCCAGGT CACATTCCGT	
GGGAATGAAC CTCTGAANTG CCAGTGAAAA TCAGNCAAGC AGGCCGACCA AACAAGCCAG	180
ANTCCATNCA CTGTGGTCAT CACCAAGGTA ACAGACAGCT ACCCTGAGCC AACCCAGCTC	240
CTTCATGGGG ACCAAGTTTG TTTGCGAANT AGGTTAGCAA CTGGTTCCAG CCCATTTTAC	300
CTTGGGGGCC AGTTCTNCTT GNCAAGAAGG GGACAAGCTT ATGGTGGAAC GTTCATANCA	360
TCNTTTTTGG GTGGNTTTAC ACAAAAGG	388
(2) INFORMATION FOR SEQ ID NO:604:	
(i) SEQUENCE CHARACTERISTICS:  (A) LENGTH: 365 base pairs  (B) TYPE: nucleic acid	

(C) STRANDEDNESS: double (D) TOPOLOGY: linear	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:604:	
AAGCTTTACT GGTGCGCGAA AAAGTTGAAG CCGCGCGCAG AGCANTGCTG CTGTATCCGC	60
AAGGTTTAAG CTGGGAATTG GTGGGATGAC GTCACCGTAG AGATCCGTTT CTGGCTTCCG	120
GCGGGTAGTT TTGCAACCAG CGTTGTCAGG GNAACTTATC AACACAACAG GTGATTATGC	180
CGCATATTGC TGAGTAATGA TGACGGGGTA CATGCACCCG GTATTNGAAA CGCTGGCGAA	240
GCTTGCGTGA GTTTTNCTGA CGTTCCAAGT GGTCGCCCCC GTTCGNTAAC CGCAGGGCGN	300
TTCAAATTCT TCTGNCATGG GATTCCTCCC TGCGNACGTT TTACCTTTGG AAATGGGGGN	360
TTATT	365
(2) INFORMATION FOR SEQ ID NO:605:	
<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 234 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
SEO ID NO.605:	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:605:	60
TTACAGANNT AAGCCGCCGT GCCCAGNCAC AAACTTCTTT AATNACAACC ACGNAAGGGG	120
CACACATGGG TCCTGTCTCT GGTATGGATT CACACACGC TGCACAAATT GAAGTCCAAT	<del></del> -
AAAAAGCATN TGCCCACAGA CCCACCATGT GCCATTAAAG ANCTTCTCTN CCAGCACAGA	180
CTNGTTGGTG TTGTTCCTNG TGCTTGNAGC TCTTCAACAA AGAGCTTTTG CCGT	234
(2) INFORMATION FOR SEQ ID NO:606:	
<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 108 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:606:	
TCTCTNCGAC TCATTGAGCC AGATGCTGAG GAAAAATGTA GAAAAGCGAG CACANCCAAG	60
NACAGCGGCA CTACCGGNCA CGNGACTCGC TTGTATAAAA GGTTTTTN	108
(2) INFORMATION FOR SEQ ID NO:607:	
(i) SEQUENCE CHARACTERISTICS:	

<ul><li>(A) LENGTH: 253 base pairs</li><li>(B) TYPE: nucleic acid</li><li>(C) STRANDEDNESS: double</li><li>(D) TOPOLOGY: linear</li></ul>	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:607:	
TGGTGGAGCT CNGCATCCAC GAACAACCGC ATCCGCAAGT GCCCAAGGAA GTTTTCAGCG	60
GGCTCCGGAA CATGAACTGC ATCGAAATGG GCGGGAAACC CACTGGAGAA CAGTGGCTTT	120
NAAACCNGGA GCCTTCNAAT GGCCTGAAGC TCNGCTACCT GCGCCATCTC AAAGGNCAAG	180
CTGGACTGGC ATCCCCAAAN ACCTCNCTNA GAACCCTGAT TGAAACTCCA CCTAGACCAC	240
AACAAAATNC AGG	253
(2) INFORMATION FOR SEQ ID NO:608:	
<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 143 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:608:	
GGCACGAGGN CCCTCAAAAG NAGNAATCAG CTNCANTGAC AATAAAGATG GGACATGCAC	60
AGTGACCTAC CTGCCGAGTC TGCCAGGCGA CTACAGCATG CTNGTCAAGT ACAATGACAN	120
	143
NNACATCCCT NGCAGCCCCT TTA	
(2) INFORMATION FOR SEQ ID NO:609:	٠
<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 242 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:609:	
CCCNTNCTCA TGGGGNTGTT TCCTACTAAC CCCAAAGNGA AGACCCAGGA GGAACCCCCT	60
GGNCCAGAGC AGGGCCCCTG TTTTGACCGT GGTGTCCAAG TTCAAGGCCT CACTNGAGCA	120
GNTTGTGCAG GTCCTNNACA GNACCACGCC CCACTNCATT CGCNGCATCA ACCCAACAGC	180
CAAGGNCAGG CGCAGACCTT TTTCCAANAG GAGGTCCTAA GCCAGCTCGA GGGCTGTGGN	240
TT	242
(2) INFORMATION FOR SEQ ID NO:610:	
(Z) INFORMATION FOR DEG ==	

<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 71 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:610:	
CCCCTCCATG TACAGCCGCT CCATCCAGGG NCACCATGTC TGNCTCCTGG TGAAAAAGGG	60
TGAGANCTCT N	71
(2) INFORMATION FOR SEQ ID NO:611:	
<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 120 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:611:	
AGTACACTGG TNCCCGTACC GGGCAATGTA CCANTACAGG CCCCAANCGA AGACGAGCTG	60
GAGCTGCGCN AGGGGGACAG GGTGGATGTA ATGCNGCAGT GTNACGATGG CTGGTTTGTG	120
	120
(2) INFORMATION FOR SEQ ID NO:612:	
(i) SEQUENCE CHARACTERISTICS:  (A) LENGTH: 455 base pairs  (B) TYPE: nucleic acid  (C) STRANDEDNESS: double  (D) TOPOLOGY: linear	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:612:	
CGTGNGCCCC NCAGAANATG GNCCCGGGTG CAGAATCGGC AGAGCGGGTC TGCTACTGGT	60
CCCNTAAGCC AGAGTAGCCA AGACTGAAGT CACTGCTCAT CCGGAATGGA AATCCCGCCG	120
ACCAACTACC CAGCCTCCAG GGCGGCCTTG GTGGCACAGA ACTACATCAA CTACCAGCAG	180
	240
GGGACCCGCA CAGGTGTTTN AGGTGCAGAA GGTCAACAAG CCAGCATGGA GGATATTCCA	300
GGAAGAGGAC ATAAGTATCA CCTTTAAATT TGCTGTTGAA GAATTATACA AAAACAANTA	360
AGGTGAACTG CACAGNTGAA GTACTTTACC CTTCAACGGG ACAGAACTGA CCAGAGTCAC	420
TTCACATTTG AAGGGGAACT GGAAGATNCA GATGAGAGAC ACACTTTNTC AAGCTTAGTC	
CTCACCACCT AGAGACAATT TCNGCATTTG GATNN	455

## (2) INFORMATION FOR SEQ ID NO:613:

(i) SEQUENCE CHARACTERISTICS:

(A) LENGTH: 366 base pairs

(B) TYPE: nucleic acid

(C) STRANDEDNESS: double

(D) TOPOLOGY: linear

# (xi) SEQUENCE DESCRIPTION: SEQ ID NO:613:

GGCACGAGCT AT	GCCCAGCA	GTGCCAGTNA	CTTTGGGGAC	CTGGAGCCCA	GCCCGCTGCG	60
CCACTTTGCC TC						120
CCCAGTGGCA GT						180
CCCAGTGGCA GT						240
						300
TAGATGTGAA TG						360
GTGGCCCAGN CC	CTCCTGAC	TTTGGCCTGG	CACAANCTGT	GGCCCTGGNC	TGGMMGTGTA	366
TAGACC			. •			

## (2) INFORMATION FOR SEQ ID NO:614:

### (i) SEQUENCE CHARACTERISTICS:

- (A) LENGTH: 495 base pairs
- (B) TYPE: nucleic acid
  - (C) STRANDEDNESS: double
  - (D) TOPOLOGY: linear

# (xi) SEQUENCE DESCRIPTION: SEQ ID NO:614:

TTAAGGTTTC GCT	GACCGGG 2	ACATAATGGC	TTACACCTTC	TCCAGTTTGA	CCGCGCACTT	60
CTTGAAGTCC GTC						120
CTGTGCCGGC GTC						180
CCGTTTCAAC AAT						240
GGCGCAGATC GCG						300
AGGCGCGGTG CAN						360
CCAGAACGTG TTC						420
CGNCGGTTTC NAT						480
TTTTAGCTTT GGG						495

## (2) INFORMATION FOR SEQ ID NO:615:

(i) SEQUENCE CHARACTERISTICS:

<ul><li>(A) LENGTH: 409 base pairs</li><li>(B) TYPE: nucleic acid</li><li>(C) STRANDEDNESS: double</li><li>(D) TOPOLOGY: linear</li></ul>	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:615:	
GGACTGCACC GGCACAGAGG CCCACATCTC CAGCTGCAAN NGTTNCCCCA GGTGTCACTG	60
GACCCCATGA AGAATGTCAC CTGCNAGAAT GGGCTACCGG CCGTGGTGAG TTGTGTGCCT	120
GGGCAGGTCT TCAGCCCTNA CGGACCCTCG ANATTCCGGA AAGCGTACAA GCCAGAGCAA	180
CCCCTGGTGC GACTNAAAGG CGGTGCCTAC ATCGGGGAGG GCCGCGTGGA GGTGCTCAAA	240
AATGGAGAGT GGGGGACCGT CTGCNACGAC AAAGTGGGTA CCTGGTNTCG GNCAGTNATG	300
GTCTTGCAGA GAGCTTGGGG CTTTTGGGAA GTNCCAAAAA GGCAGTTNAC TNGNTTTCCG	360
ACTTAGGGTA AAGGGTTTCG GACCNATTCC AACTGGAACG GAGTTTCCA	409
(2) INFORMATION FOR SEQ ID NO:616:	
<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 289 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:616:	
GGCAGAGCNC GANTTNAAAA AAGGAAGGCA ATCATTGGAT TATACAACTA TGCCCATGAA	60
ATAACTCATG GAGCAAGTGN ACAGAGAAAT ACCCACGCCT TGGCCAGATG ATTGTGGATT	120
ATGAAAAACC CTTTAAAGAA GATGATGGNA AGATTTNNTN NCCCCATNAG CAAGTNTCTT	180
TNAGATGCAC TAATTTCCCT TCCAAATGGT ATATCCTCGA AAGGGAATCT TTTCACCTGG	240
ACCAGTGGAG AAATGNCCAG TTATTGAGNC TCATCAGTGN NACCTTNGT	289
(2) INFORMATION FOR SEQ ID NO:617:	
<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 303 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:617:	
(xi) SEQUENCE DESCRIPTION: 522 55 GCCCGAGGAA AACCGTGTNC NATNAGCCAT GAGTCAACNC CACCGTGTTC TNCNANATTC	60
GCCCGAGGAA AACCGTGTNC NATNAGCCAT DOOR CCCTCAACG GAAGACCTCT GGGCCGCGAT NTNCCTTTAA CCTGTTTGCA GACAAGGTCC	120
CCCMCA A CCC GA AGNULUTT GGGCCGCG+++	

CAAAGACAGC AGAAAATTTC CGTGCCTCTG AAGCACTGGN NGAGAANGGA ATTTGGTTAT	180
AAGGGTTCCT GCCTTTNCAC AGGATTCATT CCAGGGTTTA TGTGTCAGTG TGGTGGANTT	240
CACACGCCAT AATGGCACTG GTGGGCAAGT CCTTTNTGGG GGGGAATTTG AAGGTGNGNN	300
	303
TTT	
(2) INFORMATION FOR SEQ ID NO:618:	
<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 111 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:618:	60
CCCATTTANN TCGGATANTT GCCGNGAAAT CGGCCGGATT AATGGCGAGT ATTTGGCACA	
TCCNTTGGCA ATGCTGAAGG TGGTCAGGAA GCCACGGGTC ATCAGGTTTN N	111
(2) INFORMATION FOR SEQ ID NO:619:	
<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 355 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:619:	
GGCAGAGNCA GAAAACTGCC CCAGGGGATG CAGCTGGATT NTTGGAAGAA ACGAGAGTTT	60
TGGGAAACCG TCCTGGCATC CTGGAAGGGG CCTGAAAGCA GCCCCTTATT CAGAAGCAGA	120
GCCGGCNCCA CAAAAAGGAA GCCCCCAAGA AACTAGGNGA GCTTGAAATT AAAAACATGA	180
GTAAAAATNT CATAAAANCA GGGAAGCTTC AAAGACACAG GGNACATTGC CAGAAGCCAG	240
AGAAGGTGTA AGNAGAAAGC CGTGAACCTC CCGGGGCTGT NTGTGGAGTC TNGCAGGGGC	300
TGCCTGGTTT GCCGAGTCCC ACGTTTTCGN CAGTGTGGTG GTNCCGNTGG GGAGG	355
(2) INFORMATION FOR SEQ ID NO:620:	
(i) SEQUENCE CHARACTERISTICS:  (A) LENGTH: 510 base pairs  (B) TYPE: nucleic acid  (C) STRANDEDNESS: double  (D) TOPOLOGY: linear	

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:620:

GGCAGAGGGA	AGACACAAGA	тадааттаас	ACCAAAAATA	AAGAAATACT	TAGGTATAAN	60
				AAAACTCTTA		120
AACATTTTCA	CGATAATAAG	TACAAAGTTG	GAGGGATGAC	TTCGAGACTT	ATTAGAAAGG	180
				GGCCAATAGA		240
				•	GTAAATCCTA	300
					AGACCNTCCT	360
					AGCTGGGCGT	420
			•		GGGGTGACCC	480
		NGGGGGTTTG				510

## (2) INFORMATION FOR SEQ ID NO:621:

### (i) SEQUENCE CHARACTERISTICS:

- (A) LENGTH: 502 base pairs
- (B) TYPE: nucleic acid
- (C) STRANDEDNESS: double
- (D) TOPOLOGY: linear

# (xi) SEQUENCE DESCRIPTION: SEQ ID NO:621:

CAGCGGATCG GTCTGCCCCT GTANNCAGTT AGCTCTTCAT GCACCCGCAG CATAAAACGG	60
TGNAAGTGCA GGCNCTGTTT CCGGTCTCCC GGCAGGCTTT GATAGAAAAG GTCCATCAGC	120
CAGGTTTTCC CGCGTCCTAC ACCGCCCCAN ATATATAAGC CACGCACTGG CGTNATGCTT	180
TGTGTCTTCG CGTTTACCCC ACAGCTTACC GACCCGGGCC ATTAGCCCAC TCGTCCTGGG	240
GGCTGGTGGC GTGCTATTGA TGAGTTCCTG ATAAATAAAT TTCCAGGCGG CTGACGGCCT	300
CTTTTTTGAA CGTNGTCGGG TTGATGGCTG NCNTTCATTA AAGCGNCTTC AGGTATTGCG	360
ATGTTGGGGT AACGGTTTGC ANGATCNTAA TGTTANTCCN TGGATAAATC GGTGNGCCTT	420
TGTTCAAGGT NNAGGAAAAA AAGGCCGTTT ACATTACGGG TATNCATCGG GGTTCCATTT	480
TTGGNTTAAC GGTAAAGGGG GA	502

### (2) INFORMATION FOR SEQ ID NO:622:

- (i) SEQUENCE CHARACTERISTICS:
  - (A) LENGTH: 413 base pairs
  - (B) TYPE: nucleic acid
  - (C) STRANDEDNESS: double
  - (D) TOPOLOGY: linear
- (xi) SEQUENCE DESCRIPTION: SEQ ID NO:622:

ATTGAACGTN GCCCAGGAAT CAAAAGTCGC CGTTTTTCCA GACAAGCCGG GNACGGTTTT	60
TTTGGTGGTG GATTTGTACA CCAGAAACTC ACGCCACATT CGCCAATTCT CACGGAGAAC	120
AGGCCTTCCT GCTGCNTNGA GTCTATCGGA CAGTCAGAAA TGAATCATAT CCAGTTTATG	180
CTGACTTAAT TGCTCCAGCA GNATTTCGTG GGTGGNTTCG AAGCAGNGGA AGATGAATGG	240
GCTCGTCTTC TACCACTGCG GCGTTAAGTA CGCTACTGAC CAGGCGTTTG GTAAAGTGCA	300
TCAGCCACGN CAACGTCAAN CAATGAATTG GATTCTTTGC GATAGTTCAC AATATCCCAG	360
CCATTTCCGG GNTNAGGTGA ACATTTTTTT CGGCTTAGNG TTAGNCCATT TTT	413
(2) INFORMATION FOR SEQ ID NO:623:	
<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 334 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:623:	
GNCACGAGTG GGTNATNATA CCCCTGNCAT TGACAGACAT CTAGGNGAAC CACATAAATT	60
TAAAANAGAG TGGTCCAGTG TAATGCGGTG TGTAGCAGTG CTTTGTTGGT ATAAATCATG	120
NCAGTNCTAA AGTGGATTTC NATAACAACA TACAGTTGTC TCTNACACTG GCTGCACTAT	180
CCATTGGACT GTGGTGGNCT TTTGNTAAGA TCTAGANGTG GTTTTGGCCT TGGAGTAGGA	240
ATTGGCCNTC TTGGCAACTG TGGTCACTGC AACTGCTAAG TNTATAATGG TGTTTTACCA	300
ATATGACCTN CTCCAAGATN TCCCNGTGAT GGTT	334
(2) INFORMATION FOR SEQ ID NO:624:	•
<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 266 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:624:	
GGCAGAGNCC GANCCACCAT CTNCTNGAAC GTCAACGGCA NACAAAGTAA ACAGGACCAA	60
GATCCACAGC GNAGTCCTGA GCACCCTGGA NTNTCCTCGT AAACCCCGGC NGCTGTTNGA	120
GATCCACAGC GNAGTCCTGA GCACCCTGGT CAAAAACACC AGCATCCTCT GANANGTNGT TGAATNCACG GCCCTCCNAN CGACCTGGGT CAAAAACACC AGCATCCTCT	180
TCCTGGAGCT GGTCAATTTT AACCACCNTC ACACNAGACT CTCACATAAC CACTGGACTC	240
ACCACCOMOCA AMONGACTOC CONATA	266

#### (2) INFORMATION FOR SEQ ID NO:625: (i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 343 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: double (D) TOPOLOGY: linear (xi) SEQUENCE DESCRIPTION: SEQ ID NO:625: GGCAGAGCTC ATAGCTTGTT GGTTACCTCC ATGGGGCACA TAAAGCTGAC AGATTTTGGA 60 TTATCTAAGG TGGGACTAAT GAGCATGACT ACCAACCTTT ACGAGGGTCA TATTGAGAAG GATGCTAGAN AGTTCCTGGA TAAACAGGTC TGTGGCACNC TGGAATACAT TGCACCAGAA 180 GTGAATTCTG AAGGCAGGGT TATGGAAAGC CGGTGGGACT GGTGGGGCCA TGGGGATTTA 240 TCCTTNTATG ANATTTCCTG GTTGGGATGC GTGCCATTCT TTTGGGGATA ANTCCANGGG 300 343 NCTATTTTGG GACAAGTTCA TCATGATGAG ATCAATGGGC CTA (2) INFORMATION FOR SEQ ID NO: 626: (i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 363 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: double (D) TOPOLOGY: linear (xi) SEQUENCE DESCRIPTION: SEQ ID NO:626: CTGCGGNGCA AAAGCGGTTC GCCAGATCTT GCCCAGTCTG CGANGATAGT TGGTCAGCAA 60 CACCAGCGGC AGGCCTTTAT CCATAATCCC GTGCAAAAAT TCCGCTGCAC CCGGTAGNCG 120 NACGTTATCG TGCATCAGCG NCGCGTNCGC ATATCGCAAA TTACATTTTT GAATGGTCAT 180 GGACTACCCA GAATATTGAC AACAATTAAG CGCCACTTAT TÂAAAGCACA TTAAATTTTC 240 CAGCAAATGC TGGAGCAAAA TACCGTTGAG CATGGCGCGT TTTTACCAGC GGCAAAAGCN 300 CCGTTTGCCG AGCGGTTGAT TCCAGCTTCA GAACGTNACC ACCGGNCAGN TTTAGTGCGN 360 363 AAA (2) INFORMATION FOR SEQ ID NO:627:

(i) SEQUENCE CHARACTERISTICS:

(A) LENGTH: 354 base pairs(B) TYPE: nucleic acid(C) STRANDEDNESS: double(D) TOPOLOGY: linear

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:627:	
GGCAGAGGGC ACCCTNTCGC CGCGAANCGG TGCGCGCGCA CTCGTCCCGG CCCTGGCCCG	60
CCGCAAACAA GGATCCGCTG CGCTCGGGGA ACGCAACNNN CGNCTCGTGG CCCCGGACCT	120
GAAAGACCCT TCCAGCATGC NAAAGGAAAG TTCCCCCAGG CGGACCCCGC AGAGCATTCC	180
CTACCAGGAC CTCCCTGCAC CTGGTNAATG CAGACGGACA GTAACCTNTT CTGGCAGGTA	240
CTGGGAAACC CACAGGCACA CCCAAGGCCC TCATCTTTTT TTTCCCATGG AGCCGGAGAG	300
CACATGGGCC GTTATGAAGA GNTGGNTTCG GATGNNTGAT GGGGCTTGGA NCTG	354
(2) INFORMATION FOR SEQ ID NO:628:	
<ul><li>(i) SEQUENCE CHARACTERISTICS:</li><li>(A) LENGTH: 294 base pairs</li><li>(B) TYPE: nucleic acid</li></ul>	
(C) STRANDEDNESS: double (D) TOPOLOGY: linear	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:628:	
TANNCGTAGT GGTGGTTAAC CACTATAACT GGGAAAGATG ATGCCCCGCC GNGCACGCCG	60
TGGGGCAGCA CCATCATTNA TAAAGCCCAT GTNAAAGGAT TAATGTACTT GCCNCCCGGA	120
GATCCCGGTC AAAATCCGTG GCACTTATNA AAGCCCTCGG GCATCCGGTG AATGNTCGCT	180
ATTTGAAACA TTTGGGCCAT TACCGNGCTG GGAACTGCTG CCATGGCGCA TTTTGCCAGT	240
NAAACCAGTT TGNAAAGCNT GGGGGGTNAG TAACTTATTG GGGTTTACAA CCCG	294
(2) INFORMATION FOR SEQ ID NO:629:	
<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 354 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:629:	
AAAATCGTTA CCACGTTAGG CCCAGCAACA GATCGCGATA ATAATCTTGN AAAAAGTTAT	60
CGCGGCGGT GCCAACGTTG TACGTATGAN CTTTTCTCAC GGCTCGCCTG TAAGATCACA	120
AAATGCGCGC GGTATGAAAG TTCGTGNAGA TTGNCCGCAA AACTGGGGCG TCATGTGGCT	180
ATTCTGGGTG ACCTCCAGGG GCCCAAAATC CGTGTATCCA CCTTTGAAAG AAGGCAAAGT	240
TTTCCTCAAT ATTGGGGATA AATTCCTGGC TTCGACGGCA NCCTGGGGTG AAAGGTTGTA	300
AGGCGNCAAA GTAAAAGTTG GTGTTCGTTN ACAAAAGGNC TGNCGGCTGA ACGT	354

#### (2) INFORMATION FOR SEQ ID NO:630:

#### (i) SEQUENCE CHARACTERISTICS:

- (A) LENGTH: 352 base pairs
- (B) TYPE: nucleic acid
- (C) STRANDEDNESS: double
- (D) TOPOLOGY: linear

### (xi) SEQUENCE DESCRIPTION: SEQ ID NO:630:

CTGGCTTTGT GTTTTGGTCA TTAATGGGGT GAGTGTGCGG NTCACCGCTG CCATGTAT	TC 60
CTGAGCTTTC GCTTTCGCGG CTTTTTGCTN TGGCCCCTGG ATGGGTAGCC AGGTCATT	TG 120
AATGCTTTTG AATTTTNAAG GTACCGCGCT CCAGCTGTTA GNAAGCATAC AAGTNCTC	2AT 180
TAATTTTACT TGCAGCACGA GTGAAGATTG GCTTTGTCGG GACTGCTGTC GATGGCAC	CGA 240
AATTCGTTCC AGTGGCAGGC TGGGATTCTG GCTGTTAAAG TCTTCTCGAA ACTGGCTC	300 TAE
GGAGAGATCG AANTINGGGC TTTAGCCAGC AGATAAGGCG CGGTNNTTTG CC	352

#### (2) INFORMATION FOR SEQ ID NO:631:

#### (i) SEQUENCE CHARACTERISTICS:

- (A) LENGTH: 330 base pairs
- (B) TYPE: nucleic acid
- (C) STRANDEDNESS: double
- (D) TOPOLOGY: linear

#### (xi) SEQUENCE DESCRIPTION: SEQ ID NO:631:

GGCAGAGCGC	ATGTGTGNAG	GCGCTCAACA	TGAAATTCAA	GGCCGAAGTG	CAGAGCAACC	60
GGGGCCTGAC	CAAGGAGAAC	CTCGTGTTCC	TGGCGCAGAA	ACTGTTCAAC	AACAGCAGCA	120
GCCACCTGGA	GGNACTACAC	TGGCCTGTCC	GTGTCCTGGT	CCCANTTCAA	CAGGGAGNAC	180
TTTNCCGGGG	CTGGNAACTA	CACCTTCTGG	CANTTGGTTT	TTACGGGGTG	ATGGGAGGTT	240
GTTGAAGAAG	CACCACAAGC	CCCACTTGGA	ATNNATGGGG	GCCATCCTAG	GGTTTTTGTG	300
AATTAAGCAA	CCAGTCCCCA	NGNNCTGGTT		•		330

#### (2) INFORMATION FOR SEQ ID NO:632:

- (i) SEQUENCE CHARACTERISTICS:
  - (A) LENGTH: 428 base pairs
  - (B) TYPE: nucleic acid
  - (C) STRANDEDNESS: double
  - (D) TOPOLOGY: linear
- (xi) SEQUENCE DESCRIPTION: SEQ ID NO:632:

·	
GGCAGAGAGC ATACCATCTT TGGACGGGTT GTTGGGGGGCT TTGACGTACT GACAGCCATG	60 .
GAGAATGTGG AGAGTGACCC CAAAACTGAC CGCCCTAAGG AGGAGATCCG CATTGATGCC	120
ACTACAGTNT TCGTGGACCC CTATGAAGGA GGCCGATGCC CAGATTGCGC AGTAGCGGNA	180
AGNACACAGC TCAAGGTAGC CCCGGAGACC AAAGTGTAAG AGCAGCCAGC CCCAGGCAGG	240
GAGCCAGGCC CCCCAGACCT TTCCGCCAGG GTGTGGGCAA GTTACATCAA CCCAGCAGCC	300
ACGANNCGAG CAGCAGAGGT AAGGAGNCCT TTAACCATTG GCCATTTTTC CCCNNTTNCA	360
AGAAGAAGNC CATTCGGGGT TTTTGGGGAT TTCAGTTCTG GTTAGCAGCA NAATTTTTAG	420
GTTTTACT	428
(2) INFORMATION FOR SEQ ID NO:633:	
<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 442 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:633:	
TTTGCAGCTC ACGGGNAAAT TTNTGCGCCA CTACCGCATC ACCAAGCATG ACCGGAATAA	60
TGGCGTGATC GGNTCCCGCC AGGNTAAAGC CCGNCGNCGA CATTTGCTCA CGGAACTGAC	120
GCGCGTTCGC CCACAGACGG TNACGNAGTT CGCTGCCCGC TTCGACCATC TCCAGTACTT	180
TNATGGACGC GGCAACAATG GCCGGTGCCA GCNAAGTTGG AGAACAGGTA CGGACGAGAA	240
CGCTGGCGCA CACTNCAACC ACTTCTTTGC GCGCCGCGGT ATTAACCACC AGAAGCCCCG	300
CCCAGCGCTT TTACCAAGCG TACCGGTGGN TAATATTCGA CCCGGCCCAT CACATTCGCA	360
GTATTTCATG GGGGAACCAC GGACCATTTT TNAACGGACA AAACCGACCG GNTGGGGAGT	420
TCGTNTTACC TTCANCAGGG NA	442
(2) INFORMATION FOR SEQ ID NO:634:	
<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 470 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:634:	60
TGCCGCTCTT TATGTGGGCC GCGCGTCACT GTCAGCCCCC AGGTAATCAG CGGCGCGGCC	30

ATCTTCCGGC CAGCAGGTCA TAATGGGAAT GCNATTGANA TCGNCGTCAT CGCCAGANAC

120

GATTTTTTGT TGGCAGGGCG CACCACGCAG CCGCTTTGTC GGCATGTTCA ATACTTGCTT	180
	240
AAACTGCGGC AGTTTATCAA ACAGGTCGCG GAAACCTTTT GGCGGCTCCG GCTCTTTCAG	
AAACGCCAAT AATTTACCAA CTTCACGCAG CGCCGNAAAC ATCTTCCTGC CCCATGCCCA	300
TCGCCACGCG CTTTGGCGTT ACCGAACAGG TTGCACAGCA CCGGCATTGN GTAGCNTTNA	360
GGGTTTTTCG GAACANCAGC GGCAGGCCCA CCGGGAAGGC AAATGCGGTT CAGCAATTTT	420
CATGGTTTTN CAGATGGGGG ATNCCACCGG GAGNGTNGTA AGTTTTTAGG	470
(2) INFORMATION FOR SEQ ID NO:635:	
<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 270 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:635:	•
GGCACGAGCG CTCACTGGGG GACCGAATCC GGGATCTTGC TCAGCTCAAA AATCTCTATC	60
CCAAGAAGCC CAAGGATGAG GCTTTCCGGA GCCACTACAA GCCTGAACAG ATGGGTAAGG	120
ATGGCAGGGG TTATGTCCCA GCTACCATCA AGATGACCGT GGAAAGGGAC CAACCACTTC	180
CTACCCCAGA GCTCCAGATG CCTACCATGG TGCCTTCTTA TGACCTTGGA ATGGCCCCTG	240
NATTCCTCCA TGAAGCCCCC TTTNNNTTNT	270
(2) INFORMATION FOR SEQ ID NO:636:	
<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 327 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:636:	
GGCANGAGCT GGACCCCCCA ATGCGGGCAA GAGCAGCCTA GTGAACCTGC TCAGTCGGAA	60
GCCTGTGTCC ATCGTGTCCC CGGAGCCAGG GACCACCCGT GAACGTGCTG GAGACCCCAG	120
TCGACCTGGN CCGGATTTCC TGTGNCTGCT GAGCGACACG GCTGGGTTGC GGGNAGGGCG	180
TGGGGCCCNN GGAGCAGGAG GGCGTGCGGN GCGCCCGTGA AGTAGGCTTA GAGCAGGCTG	240
ACCTCATTCT GGCCATGNTG GGATGCTTTC TGAACCTGGC CTCTCCCTCC ANTTGGCAAN	300
TTCCTGGGTC CACCGTNGTT AGNCTCT	327
(2) INFORMATION FOR SEQ ID NO:637:	

<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 392 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:637:	
GGCAGAGCTG AGCCTTGGAG ATTATCATCA AGCCAGACCC CTCAGCAGCA AGTGGAGCTG	60
TTTGACTTGG AGAATAACNN AGAGTACGTN TCCAGCGGAG GGGGCTTTGG ACCGGTTGCT	120
GATGACGGCT ATGGTGTGTC GTACATCCTT GTGGGAGGAG AACCTCATCA ATTTCCACAT	180
TTCTTCCAAG TTCTTCTTGC CCTGAGACGG ATTCTCATCG CTTTGGGAAG GCACCTGAAA	240
NNAAGCAATG ACTGACATCA TCACTTTGTT TGGNTCTTCA GTTCTNAATT TCCAAAAGTA	300
ATTCCACTGG AGCTGCTGGG GAAGGTAAAA CGAGCTCTTT NTGATGCAAA CCAATGNAAA	360
ATTAGGCATT AATCCNGGNC CTNAGTTCGG GA	392
(2) INFORMATION FOR SEQ ID NO:638:	
<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 167 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:638:	
ACTTTGCCGG AACATCCTGC TGGGGCTTGA TCCACGTCGC AGTTGCTTCT CGCATGACTG	60
CNTCGGTGGG CAGTTTGCAA AACTTTGCCA GCTTCATCTG CGCCTCTTTT GCGCCGATCA	120
TTACTGGTTT TATTGTTGAT ACCACCCACT CATTCCGTCT GGCACTA	167
(2) INFORMATION FOR SEQ ID NO:639:	
<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 113 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
20 620	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:639:	60
AGAGCNGAGC AGTCAAGATG TGTGAACTCC ACCGAAGACC AGACCGNAGA GTTCAAGGAG	
GCCTTCCAGC TNTNNTAACC GAACAGGTGT ATGGCAAGAC CCTGTTACAG NCA	113
(2) INFORMATION FOR SEQ ID NO:640:	

<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 374 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:640:	
AGATAGCAGC CTTGTAACTT ATGANCTACA TTNTCGGCCT GAGCAGGACA AGTTCTCTCA	60
AGCTGCCAAA GTCGCAGAAC TTGAAAAGCG CCTGANAGAG CTGGAGACAC TGTNACGTTG	120
TGAATCAGGA ATGCTCAGAA ATCCCCTTTT TGNCAGGTNT ACAGGGAAGC CTGTNCTCAT	180
GGAGACTGTA GGAGCTGTTG CAAAGCAAAA GGTGGAGCGC CCTAGAACCT TGCAGTTTTG	240
GGATCAAGTG GGAGGCTCGG CTTACAGAGT GTNCCTGGGG AAAGGTTGAA CGAGATTTGC	300
CCAAGCTTAA AAGCCTCTNT TAGGAAGTTG CAGTTTCCNC AAAGCAAAGT TGCNCCNGTT	360
TTTTGGNAAC TTTT	374
(2) INFORMATION FOR SEQ ID NO:641:	
<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 196 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:641:	
GGCAGAGGAT GACATTNGNN TNANCTACAA GATTGGAGAG ANGTGGGACC ATCAGGTGCN	60
AANTGGNCAT ATGATANGNT GNACATGTTT TGGGAACGGA AAAGGCGAAT TCAAGTNTGA	120
ACCCTTCATG GAGGTCAACG TGTTATGNAT GTTGGGTAAG ACATACCACN TAGGCNGTAA	180
CAGTGGNCAG AAGGGA	196
(2) INFORMATION FOR SEQ ID NO:642:	
<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 357 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:642:	
GGCAGAGCTG AGATCAAGGG CCACAGGGGA CCTACGTGGG CGCNATGCCG GGAAAGATCA	60
TCCAGTGTTT AAAGAAGACC AAGACGGAGA ACCCCCTGAA TCCTNATCGA CGAGGTGGAA	120

CAANATCGGC CGAGGCTACC AGGGGGACCG TGCGTCGGNC ACTGCTGGAG CTGCTGGTAC	180
CCAGAGCAGA ATGCCAACTT TCCTGGNACC ACTACCTGGN ACGTGNCCCG TGGGANTTGT	240
TCCAAGGTAG CTGTTTNATC TGGCACGGGC CAANGTTCAC GGGACACTTA TTCGCCNAGC	300
CGTTGGAAGG ACCGTTATGG NGGTTGATTC AACGTGTCGG GGTTANTTGG NCCCAGG	357
(2) INFORMATION FOR SEQ ID NO:643:	
<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 359 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:643:	
GGCACGAGGT GGCAGGGNNT GTGTGTGCTG AGGCGGCTGA GCGGCGGACA TGCACACTAC	60
AGTGCGTGGC GATGGAACAG TAACCGGGTT TGTNAGAGGG CTCTGCAGTA TAAACTAGGA	120
GACAAGATCC ATGGATTCAC CGTAAACCAG GTGACATCTG TTCCCGAGCT GTTCCTGACT	180
GCAGTGGAGC TCACCCATGA TGACACAGGA GCNAGGTTTT TACACCTGGC CAGNGAAGAC	240
ACGAATAATC TGTTCAGCGT GCAGTTTCGT ACCACTTCCA TNGACAGTNG TGGTTGTTCC	300
TCAAAATTCT TGAGGCATAC CGTNCTTTNT GGGTTTTCAG AAATATTCGT GNAGAGACC	359
(2) INFORMATION FOR SEQ ID NO:644:	
<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 299 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:644:	
GGGGCAAAAA TGCCGAAGAT GCGGTGCATA ACGCCATCGT GCTGGAAGAG GTCGCTTATA	60
TGGGGATATT CTGCCGTCAG TTAGCGCCGC AGTTACCGGC ATATGCAGCA AACGCTGCTG	120
GATAAACACT ATCTGCGTAA NATGGNCGCG TNGGCATATT ACGGGCAGTA ATGNCTGTAT	180
AAAACCACAG CCAATNCAAA CGNAACCAGG CTATACTTCA AGCCTGGTTT TTTGNTGGNT	240
TTTCCAGCGN GGCGCAGGTC AGGTTTTATC TTAACCCGNA CACTGGCGGG GACACCCCG	299
(2) INFORMATION FOR SEQ ID NO:645:	

(i) SEQUENCE CHARACTERISTICS:

(A) LENGTH: 483 base pairs
(B) TYPE: nucleic acid

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:645: CGGCCGCGCT GCTGGACAAG CTGTATGCTC TCGGCTTGGT GCCCACGCGC GGTTCGCTGG 60 AGCTCTGCAC TTTCGTCACG GCCTCGTCCT TCTGCCGCCG CCGCCTCCCC ACCGTGCTCC 120 TCAAGCTGCG CATGGCGCAA GCCTTNCAGG CTGCCGTGGC CTTTGTGGAG CAAGGGCACG 180 TACGCNTGGG CCCTGACGTG GTTACCGACC CCGNCTTCCT TGTNACGCGC ACATGGNAGG 240 ACTTTGTNAC TTGGGTGGAC TCGTCCAAGA TCAAGCGGCA GTGCTTAGAG TNACAATGAA 300 GGAGCGCGAT GATTCGNTCT GGAAGCCTAG CGGATTTCCC ATTTGCAATG TTGTNTTTTN 360 ACAGTGGGAA AATTGAGGCC TGATGTTGGA GATTTTANGA GGGTGTTTTC CTCAAGGGTT 420 NTNAAACGGT TGTAGGTTTT TAAGAATTTG ATTCATCATT GGCANGCCAG NATAGAGCCA 480 483 . GGG (2) INFORMATION FOR SEQ ID NO:646: (i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 172 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: double (D) TOPOLOGY: linear (xi) SEQUENCE DESCRIPTION: SEQ ID NO:646: TCAGCTGCCC TGGGGGCTGC TTTCCNTGGG CACGGGCTCC AGGGATCATN TNTGGGCACT 60 CCCTTCCTGC CCCAGGNCCT GGNTCTGCCC TTCCTTGGGG GGTGGAGCAG GGTCCAGGTT 120 TNAAACTTGC NACCTCCTGG AGGTCAAGAA GAGCAGAGTC CCCGTCCCTG NT 172 (2) INFORMATION FOR SEQ ID NO:647: (i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 518 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: double (D) TOPOLOGY: linear (xi) SEQUENCE DESCRIPTION: SEQ ID NO:647: GGCACGAGGG GATTACAGGC GTNAGCACCA CACCCGGCTT CATTTAAACC ATTTTAAAGT 60 GGCATGAAGT ACATTCAAAT TGTNGTGCCA CCATCCATCA CCCAAACCGA AATCCATAAC 120 CATTAAACCA TAACTCCTCA TTCCTACAGT NTGTTTCTTT TCATTACGGG ATAATATTCC 180

ATTGTNTGGA TGGGCCACAG TTTGTTTATC CACTCACCTA TTGANGGACA NCTTGGTTCT	240
TCCCACATCT TGCCAATNAT AAATNANGCT GCTATAAATA TTTGTNTGCA GGTTTTTGTG	300
TGCACATAAG TTTTCANGTC ATTTGGGTAA ACACAAGGGG TGTGATTGCC GGGCCTCTGT	360
CTGACTTTAT TTCCATCAAC CGCNTCAAGC ACCTGGNGTG NGGGCAGGAG CCANGCCCAA	420
CANTTATGTT TGTAAACCTA TTTAATTAAC AGNCCACAAT ACAGNCCAGG CACATGGGTT	480
CNGCNGNAAA AACTTGGGAC TTTTGGGAGG CCCAGGCG	518
(2) INFORMATION FOR SEQ ID NO:648:	
<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 322 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:648:	
GGCAGAGCAA ACTGTGACTC AGTGGATATT TGTATGCCCC CCAAAAACAT TTTAAAGCTG	60
GGCAGAGCAA ACTGTGACTC AGTGGATATT TOTTONATTAT TCTCATTGTA GTTAAGTTAC  AGCAATTTTT AATAAAGATG TATAAATAAT TTTGNATTAT TCTCATTGTA GTTAAGTTAC	120
AGCAATTTT AATAAAGATG TATAAATAAT TITGMTTM TOOSAAATTAA ATATAAAGA TGTTAGTTTG GTGCAATACA TTCTTTCCTT CCTCATCCTT TTAAAATTAA ATATAAAGA	180
TGTTAGTTTG GTGCAATACA TTCTTTCCTT CCTCATCCTT TTTTTTTTTT	240
	300
AGNCTAATAC TTGATTTGTT TCTGTATAGC ATGATTAAAG GTAATTGGAA ATTTTGCCAC	322
CNATTTAGGN CCNTGGGAAA TT	
(2) INFORMATION FOR SEQ ID NO:649:	
<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 453 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:649:	
AACCGCTTCA CCGCGCGANT GGTACCAGTC AATCAGGCGG TTAGCGACAT CCACCGTACT	60
GTCACCTTCC GGCACGGCGN AGCGCGCCAC CAGCACAGAA ATCATTTTGT AAATCGACCA	120
GTAACAGGGC GCGAGGGGGC ATTACAGTNT CCTTAATCAT CCGGCGTAAG TTCGCCGCGC	180
AGGTTTTGGC TCATGGCCTT GCGAATGGTT TCAGTATCCA GTTCCTGGGC TAAAGCAGGT	240
AAATGCAGTT TGGTTAGCTT GGGCTTTCTT ACAGTCATAT CTGCACCGGN GAATNACGCT	300
CONTROLLS CARCECCUTTN ACCECUTGGG GATAACCANC CATGITTCAN TITAACGGGA	360

CATACATTGT GTTCAGGTTN ACCACCACAA TAACCGGGGN TCGCTGGGTT TTTTGTTAAT	420
TTNCTGNCAG GAAAGGTTTT TTTTTTTGG GNG	453
(2) INFORMATION FOR SEQ ID NO:650:	
<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 405 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:650:	
GGCAGAGGGA GAGGCGCTGA GGTGTGCTGG GTGCACTGGA GCCACCGGGA CCCCTTGAGG	60
ACATCGCCAG GNTCNGTGGC TTNTTCCCGA GCGGGAGAGG TGGAGATGCT TATAGCAGTT	120
ACGCNTTAGG AAGGGGACAA CCAGGNCCCG CCACACGCTT CACACACAAA CCTGCTCACG	180
CAACTGTGAA TGCTTGGCAC GGGGTGGCCA GTNCAGATGG AGCCCAAGGC CCCNTCGGNC	240
TCCTGGGGCA ACTTGGGGTA CACAGGATAC TNGGGGTGCC CGTTCCTTAC TTAAACCCCA	300
GCTAAGGGTT ACAACTGACC CAGTTGGNCT TGGGCCCGGG GCACTTTGGG TTGGTTCNTT	360
TGGGGCCCTT GNACGTTGGG CCCATTGTTG GNAAGGGTTN TTCTT	405
(2) INFORMATION FOR SEQ ID NO:651:	
(i) SEQUENCE CHARACTERISTICS:  (A) LENGTH: 268 base pairs  (B) TYPE: nucleic acid  (C) STRANDEDNESS: double  (D) TOPOLOGY: linear	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:651:	
GTTGGGCATG TNCAGGTGGC ACAGGTNCCA GGNCGAGGGG AGCCCAGCAG CCCCGGAGAG	60
CTGAATTTCC CCTATCTGTT TCAACTGCTG GNAAGNTGAA GGCTACAAAG GTTTCGTGGG	120
NTGTGAAGTA TCAGNCTCGA GGAGACACAG TAGAGGGCTT GATTTGGCTA CGTTCATACT	180
GGGNATAGGC GGGGCCACCC AGAGGCTGGC CAGTGAAGGG CCCGCACACC ACCCACGTGC	240
CTNCAGNCAG NGAAGTGAAC ATNGCCAT	268
(2) INFORMATION FOR SEQ ID NO:652:	
(i) SEQUENCE CHARACTERISTICS:  (A) LENGTH: 354 base pairs  (B) TYPE: nucleic acid  (C) STRANDEDNESS: double	

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:652:	
TCTTTCCTTT NACCTACAAG GGATCTGTTT ACTTCACTTG CACCCATATT CATAGCTTAT	60
CCCCTTGGTG TGCCACCAGA GCCGTGTACA ACGGCCAGTG GGAAGTACTG CCAGAGTGAA	120
AGATTACCCA CGCTGTATCT TCCCTTTGNA TCTATCGAGG AAAGGCTTAT NAACAGCTGC	180
ATCTCCCAGG GNAGCTTCTT AGGCAGTCTG TGGTGCTCAG TCACCTCTGT TTTCGATGGG	240
GAAACAGCAG TGGGAAATTC TTGTGAAACG GAATGAAGTA TGGGGGGAAA TTCTTCTTCA	300
GGNAAGGCCC TGGCATCTTN CCCCTCCATN TTACAGGAAA TAATGTGGGT CTNN	354
(2) INFORMATION FOR SEQ ID NO:653:	
<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 253 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:653:	
AATGGAAATC GGTCCAGTAA GGCTGTNATC TGGANGGTGC TGCGCAAGTN GGGGCTGCCC	60
CTGGGAATAC ATCATTNACT NTTTGGGGAC GTGAAGAAGC TCATCACTGA ATGGTTTGTG	120
AAAGCAGAAA GTNCCTGGGN CTATGNCCNG NNTCCCCANT AGCAATCCCC CTGATTATGA	180
NGTTCTTCTG GGGCCTGCGC TTCTTACTAT GAGANCCNGC CAAGNTGAAA GTCCTACAAG	240
TTTTGCCTGC AAG	253
(2) INFORMATION FOR SEQ ID NO:654:	
<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 102 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:654:	
CCATAGTCCT GGACAAGCTG GAACGNAGGG NCTTCCTTTT CCTGAGCATG ANGGGGGTGG	60
GCCAAACGCT GGTNTGGTGT NTGCACAAGG AGTGAACCTT TT	102
(2) INFORMATION FOR SEQ ID NO:655:	
<ul><li>(i) SEQUENCE CHARACTERISTICS:</li><li>(A) LENGTH: 258 base pairs</li><li>(B) TYPE: nucleic acid</li></ul>	

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:655: CCACTGGTGC TGTGCTGTAC GGTGCAAGGA ATGCAGAANT ACTNTGGACG TCCATACTTG 60 CAAGCCCCCA AGANGGCAGA NTGGCTGGNC CAAACCTGAA NCACNCAGAT ACCTCATTTC 120 TTCCTTCCAA TTCANGNNTC TNAACTCNAA AGCACNAGGT CCTTTGTTTG NACANTTTTT 180 TNCACCCTTC ACCCTGGGGT TGTTACNTTT TTTTTTTAAG GGTTNTTGGG GGGTTATTCC 240 258 TTGGGGGCCC TGGGGTTC (2) INFORMATION FOR SEQ ID NO:656: (i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 121 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: double (D) TOPOLOGY: linear (xi) SEQUENCE DESCRIPTION: SEQ ID NO:656: TTCAAACTTG CNTCCNATCC TGCCTGCAGA AAACCCAGAC TGCATTCAGT GTCCTCAGTG TAGCCACCAC TTTGNNTCCC AAGGTGGCTG AGCAACANAT TCCCAAGTNT AAGANCCATC 120 121 Α (2) INFORMATION FOR SEQ ID NO:657: (i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 327 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: double (D) TOPOLOGY: linear (xi) SEQUENCE DESCRIPTION: SEQ ID NO:657: GGNTTTTTCG CTCGGTTTAG CTAAATCNTC CAGCCCTTTC CGGGCNTCGC GGTAATCTTC 60 CAGCGCTTTA TCCAGAAACT TGCGATCGGT TTTTCNTTCC ACCAATGGNA AGCAATGCAC 120 GCAGAGTCGG ACTTGATATC GCCGACCAGT GCCATATCCA CCTTGCCTGT GAAGCGCCCG 180 ATGCTGGCTG GNTTGAATAT CCAATCTGNA ATGAATTTTG GGCATCGGTC GGGTAGNAAG 240 GCGCGGTAGG GGAAATTGCC GTTGCCGNAG TTAGCCACTA AACGTNTTCG GGCGGTTTCA 300 327 TCATGGGTAT GGGAAACCTG NACGGNG (2) INFORMATION FOR SEQ ID NO:658:

<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 143 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:658:	
CTCCTCCTCC TCCCTCCTAC AAGTCCAGTG GCCTTGGNCT TGGAAACTAA AGGANGAAGG	`, 60
TCTGGCCCCC AGGGTGGGGC TCTCCTTTCC CTCCCANCAN CCCCGCGGTN AGCACTGCCC	120
CCTCTGTGAG GTTCGCTAAC TTN	143
(2) INFORMATION FOR SEQ ID NO:659:	
<ul><li>(i) SEQUENCE CHARACTERISTICS:</li><li>(A) LENGTH: 187 base pairs</li><li>(B) TYPE: nucleic acid</li><li>(C) STRANDEDNESS: double</li></ul>	
(D) TOPOLOGY: linear	:
	,
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:659:	
ANCGGCCCTT TGGAAGGTGC NTCCCGCAAG ANGAACGGAC GCCACTTAAT CCTCCGTGAA	60
ANTTCCAAGA CCAGNAANAA CATCCAGAAA TCCCTGGTTG GNAGCTCCAG GCCCCGGGGC	120
TTCNAGCGGC ACCANCGGTG AACCACGGTN AAGCTCGTGG AACCGGTTTG CAAGTTTGGA	180
TTCNAGCGGC ACCANCGGTG AACCACGGTN TARGETEET	187
AGTGGNG	
(2) INFORMATION FOR SEQ ID NO:660:	
<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 135 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:660:	
GGCACGAGAA AAAGTAGAGC ACAAATAGTA CAATGGCGAA TATAGACCCA AGCACATCAG	60
TAGTTACATG GAGGANGACT GTNTACTNAA AGANTTAAAT GTAGGCTAGA TTAAAAAAAA	120
AAAAAAAA CCNCG	135
(2) INFORMATION FOR SEQ ID NO:661:	
<ul><li>(i) SEQUENCE CHARACTERISTICS:</li><li>(A) LENGTH: 492 base pairs</li><li>(B) TYPE: nucleic acid</li></ul>	

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:661:	•
AGGCGAAAAG TTTCCACGGC AACTAAAACA CTTAGACGCT GTAGTACAGC TCAAACTCTA	60
CCGGATGCGG AGTCATACGC ACGCGGTCAT CTTCTTCGCG ACGCAGAGNA TGTACGCATC	120
ANTTGCTTCG TCAGTGAAAC ACGCCACCGG CTTTNNAGGA ACTCGCGGTC CAGATCCAGT	180
TCGTTCAGTG CTTCTTCCAG AGAGCCTGCA ACCTGTGGGA TCTCTTTNGC TTCTTCTGGC	240
GGCAGGTCAT ACAGGTTTTT NTCCATGGTT TCGCCCGGTA TGGGATCTTG TTCTTGAATA	300
ACCNNCAGGA CCGGGCCNTC AGCCAGGGCA GNCAAAGCAC AGGTTACGGG TTAAGATTGC	360
CGGGTTCCGG GAAAACGTNA CTTTGNTTAN GACGTGNTTT TCGGNGGAAG NAAACCACCG	420
GNATTACGGN TTAGANGCGG AACGGTTTAA GNGNCNNNNT NAGGCCAGCT TTACCGTGTT	480
	492
TCTAGCCGGG AC	
(2) INFORMATION FOR SEQ ID NO:662:	
<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 117 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:662:	
ACCACCCCC GCCCCATACA CACACACAC CATGCATACA CAAAGAAAAG CTAATAAAAA	60
TTGCATATAG AAATTTTTTT TTTTTTTNGG GGGGGGGTNT CGTTNTNTNA CCCAGGT	117
(2) INFORMATION FOR SEQ ID NO:663:	
<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 304 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:663:	60
GGCAGAGAAT TAGGTTTAGC ATAGCCTATC TTTCTCCATC CNTTTACTTT NAATCTGTCT	120
TCATCTTTAT ATTTAGAGTG GGATTTTTGT AGACATCATA TAGTAGGGTC TTGTCGTTTG	180
ATTTGCTCTC GGACAGCATG TGTCTTTTAA ACTGGTGTAT TTAGACCACA GATGTTTAAA	
GTAATTATTG ATATAGTTGG ATTAATGTCT ACTGTATTTA TAACTGTTTT CTACTCCATT	240

GTCCCTTGTT CCTTTNCTTT TTCGGNCTTT GNACTTTGTG CTCTGCCTTC TCCATTNGNA	300
GTCCCTTGTT CCTTTNCTTT TTCGGNCTTT GIARGETTT	304
ATTG	
(2) INFORMATION FOR SEQ ID NO:664:	
<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 226 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:664:	
NTTCCATTCC ATTNGATTCC ATTCCATTCA AATNAATTCC ATTCCATTCA TCTCCATTCC	60
ATTCCATTCC ATTCCATTCC ATTCCATTCC ATCCAATTAC ACTNGCTTTG AATCCATTCA	120
ATTCCATTCC ATTCCATTCC TTTCNGTTCC TTTGCATTCC ATTCCATTCA ATTCCATTCC	180
ACTGGGGTNG TTTCAATTCC ATTCTATTCC ATNCCATTCN ATTGNA	226
(2) INFORMATION FOR SEQ ID NO:665:	
<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 210 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:665:	
GGCAGAGTTT TCCAGACGCA GGTAAAGCCC CATGAAAGGC TGCCCTCTTC TCCCCTGCCA	60
GGAGGGCACC TGGGCAGGCT AGGAGCAGCC TGGGCCAAGG GCACCCCAGG GACCAGCCCC	120
AAGAGGCACT GCTGCTGACT CCCTGTTCCT GTTTTTTTTT TGTTTTGTTT	180
GGTNTCGNAN TGTNCCCCCA GGTTAGAGTG	210
(2) INFORMATION FOR SEQ ID NO:666:	
<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 391 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:666:	
GGCANAGCAA ACTTTTTCCT GTTGAGTGCC CTAAGACAGT GGAAAACTTC TGTTTTCACA	60
NOISE THE TRANSPORT OF COCCATACAT NTCACCGTAT AATTAAGGGC TTTATGATTC	120

AAACTGGAGA TCCAACAGGT ACTGTNATGG GAAGGAGAAA GCATATGGGG AGGAGAATTT	180
GAAAGATGAA TTTCCATTNC AACATTACGN ACATGACAGG CCGTACACAC TTCAGNCATG	240
GGCTNAACGC GGGGTTCAAA TACTAATGGG ATCCCAGTTT TTCCATNAAC GGTNGTTACC	300
	360
CAACGGCCTT TGGGCTTTGG ATTAATTNAG GCCTTTACCA GTTATTTTTG GGGACCGGAG	
TTGGACTTAA AAGGGGAATT TGGGGGGNNN N	391
(2) INFORMATION FOR SEQ ID NO:667:	•
<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 276 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:667:	
GGCANAGTGG CCATTTTCGT TGGTGGTGTT CANTTGCNGC GGTTNCTGGT CAGTAACAGC	60
CAAGANGCTG CGGGAANCTG CTGGNTCTTC GTCAGATTGG GCAGAGGACG ATAAGGACTT	120
	180
GCTTCCCGCA GCATTTTAAA AATAAAGTTC CGGTAGGAAG CAAAAACTGT TCCAGGAGGA	240
TGATGAAATC CACTGTTATC TAAAGGGTGG GGTTAGCTAA TGNCCTCCTG TTATAGNGCC	
ACCANGNTTT TTACAAGTTG GGTTGTAACA TCNTTA	276
(2) INFORMATION FOR SEQ ID NO:668:	
<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 336 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:668:	
GGCANAGTCA TATTTCTACA GTATGCCAGT ACTGAGGTTG ATGGAGAGCG TTACATGACC	<b>C</b> 0
GGCANAGTCA TATTTCTACA GTATGCCAGT ACTOAGGTTO MICOSTOCIAL	60
	120
CCAGAAGACT TTNTTCAGCG CTATCTTGGA CTGTATAATG ATCCAAATAG TAACCCAAAG	120
CCAGAAGACT TTNTTCAGCG CTATCTTGGA CTGTATAATG ATCCAAATAG TAACCCAAAG ATCGTGNCAG CTCTTGGCAG GGAGTAGCTG ATCAAACCAA GGATGGGTGA AGTATCTTCA	120 180
CCAGAAGACT TTNTTCAGCG CTATCTTGGA CTGTATAATG ATCCAAATAG TAACCCAAAG  ATCGTGNCAG CTCTTGGCAG GGAGTAGCTG ATCAAACCAA GGATGGGTGA AGTATCTTCA  TGTCATTTNC TGNAAAACTN AATGTTCCTG GGAATATATT GTTGAAAAAAT TTNAAAAACC	120 180 240
CCAGAAGACT TTNTTCAGCG CTATCTTGGA CTGTATAATG ATCCAAATAG TAACCCAAAG ATCGTGNCAG CTCTTGGCAG GGAGTAGCTG ATCAAACCAA GGATGGGTGA AGTATCTTCA	120 180 240 300
CCAGAAGACT TTNTTCAGCG CTATCTTGGA CTGTATAATG ATCCAAATAG TAACCCAAAG  ATCGTGNCAG CTCTTGGCAG GGAGTAGCTG ATCAAACCAA GGATGGGTGA AGTATCTTCA  TGTCATTTNC TGNAAAACTN AATGTTCCTG GGAATATATT GTTGAAAAAAT TTNAAAAACC	120 180 240
CCAGAAGACT TTNTTCAGCG CTATCTTGGA CTGTATAATG ATCCAAATAG TAACCCAAAG ATCGTGNCAG CTCTTGGCAG GGAGTAGCTG ATCAAACCAA GGATGGGTGA AGTATCTTCA TGTCATTTNC TGNAAAACTN AATGTTCCTG GGAATATATT GTTGAAAAAT TTNAAAAACC AGCTGGGNCA CAGTGGGCTG CATGCCTGTN AATCCCAGCG CTTTTGGAAG GCTTGAGGCG	120 180 240 300

<ul><li>(A) LENGTH: 162 base pairs</li><li>(B) TYPE: nucleic acid</li><li>(C) STRANDEDNESS: double</li><li>(D) TOPOLOGY: linear</li></ul>	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:669:	
	60
GGCACGAGAG AAACTCTATC TAGTTAAAAA GGCGANGAAG AAAGATAATC ATGCTCCTGT	
TCCCATAAAG AAAGGGCAAG GAGTTGGGAA GGAGNAAGGG ACCCTCCTGG NTCCTGCAGC	120
CTGAATCTCC ACTTGTGCCC TCTGTCTTCC CCACTAGACT CT	162
(2) INFORMATION FOR SEQ ID NO:670:	
<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 401 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:670:	
GGCAGAGNCT CTGAAAAAAC TCGCCAAGAA AAAAGTAAGA AATTGACTTT ACAGAAGTAA	60
AACCACACCG GGCTAAGTAC AAATACCTTC TAGTACTAGT AGACACCTTC TCCAGATGGA	120
	180
CTAAGGCATT TGCTACTGAA AACGAAACTA CCAACACAGT AGTTAAGTTT TTACGCAATG	240
AAATCAACCC CCAATATACG CTGCCTGCTG CTATTAAAGT CTGATNAATA GAGGCAGCCT	
TTACCTCGNC TATGAGCTCC AGTTCAGTCC AGTTAAGGCG TTNAAACATT TCAATAGGAG	300
GCTCCATTGT GGCCTATNCA ACCCCAGAGG TTCCAGGTCA AGTTGGAACG CATGGAACCA	360
CACCCTNAAA AAAAATTCGN GGGGGGGNCC GNTACCCATT T	401
(2) INFORMATION FOR SEQ ID NO:671:	
<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 488 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:671:	
GGACAGTGCC ATTATCCACA CCAGCATGGG AGACATTCAC ACCAAACTTT TTCCTGTTGA	60
GTGCCCTAAG ACAGTGGAAA ACTTCTGTNT TCACAGCAGA AATGGTTATT ATAATGGGCA	120
TACATTTCAC CGTATAATTA AGGGCTTTAT GATTCAGACT GGAGATCCAA CAGGTACTGG	180
TNATGGGAGG AGAAAGCATA TGGGGAGGAG AATTTGNAGA TGAATTTCAT TCAACATTAC	240

GACATGACAG GCCGTACACA CTCAGCATGG CTAACGCGGG NTCAANTACT AATGGATCCC	300
ATTTTTCATA ACGGTAGTAC CAACGCCTTG GCTTGNTAAT NAGGCTNACA GTNTTTGGAC	360
GAGTGANTAA AGGATGGTAG TTGTTACANG GTTNTCCAAG TCAAGTTCAT TCCCAAAACN	420
GTTAGCCNTT TGAGGGTGTT CAGCTNCTTA AATTTTACTG TTCAGTTAAA TTAGGTTTNT	480
TTTNATGT	488
(2) INFORMATION FOR SEQ ID NO:672:	
<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 398 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:672:	
GGCACGAGAA AATATCAACT CCCCAAGTTG ATCTGTAGAT TTAACAGAGT TTCAGACAAA	60
ATCACAGCAT AATTGTTTAT AGATATAAAC AGGCTGATTC TAAGATGGAT AAGGAAATGC	120
AAAGGAACTA GAATAGGCAA AACAATTTTA AAAAATAAAG TTGAAGGAAT CACTATCAAA	180
TTTTATGACA GTATAAAACT ACAGTAATAA AGNTAGTATG TTAATAGGAA CTGTGTAAAC	240
ACCAAAAGCA GTGGTACAGA ATAGGCAAGT CTAGTAATAG ACCCATATAC ATNTGGCCTT	300
TTGACAAGGT GCACNGGGAA TTTTATGGGG AAGAACCTTT AATAATNAGT NTCGGACCAT	360
TGACCTNCCT TTTAANACCA AAAACTCGGG GGGGGCCC	398
(2) INFORMATION FOR SEQ ID NO:673:	
<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 349 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:673:	
GGCAGAGNCA GAGGCCAGGC ACGGTGGCTT ATGCCTGTGA ATCCCAGCAC TTTGGGAGGC	60
TGAGGCAGGC GGATCATGAG GTCAGGAGAT CGAGACCATC CTGGCTAACA CAGTGAAACC	120
CCATCTCTAC TAAAAATACA AAAAATTAGC CGGGTGTGGT GGCGGGTGCC TGTAGTCCCA	180
GCTACTCGGG AGCCTGAGGC AGGAGAATGG TGTGAACCTG GGAGGCGGAG TTGCAGTNAG	240
CCGAGATCAG GCCCCTGCAC TCCAGCCTNG GAGACAGAGG GAGATTCCAT CTCAAAAAAA	300
AAAAAAAAA AAAAAAAAN AAAAAAATT TNTNGGGGGG GCCCCCNTA	349

## (2) INFORMATION FOR SEQ ID NO:674: (i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 199 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: double (D) TOPOLOGY: linear (xi) SEQUENCE DESCRIPTION: SEQ ID NO:674: GGCAGAGCTT TCCATTCCAT TCCATTTCAT TCCAGTTGAT TCCATTGGAT TCCATTCCGA 60 120 TTGATTCCAC TTCATCCCAT TGCATTACAT TCCATTTCAT TCCACTNNNG GTTAATTANN 180 199 ATTCCGTTCC ATTCCATTG (2) INFORMATION FOR SEQ ID NO:675: (i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 500 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: double (D) TOPOLOGY: linear (xi) SEQUENCE DESCRIPTION: SEQ ID NO:675: GGGAGATCGT TGCCGGAATA TCCTCCAACG ACGCTCGACG GCGGGGTTTG TTTAACAGGC 60 CTTGTGCGGC AAGGTGAAGA TTACGCGCAT CAGCAAGGGN GAGGTGCGGC ACGACATTCA 120 TGACTCCATC AATCGAACGC TGCCGCGGCG TAACTAGTTG CCAGAAGCCA GCAAGGTTAG 180 TTGCGTAAGA GTTTCGCTGG TTCATCACCT GAAAGCTGTG CGTCTACAGG CAAATACCAC 240 CAATTITNTT CTGCAAAGNC CCGGCATTTN ACCGCATCTT TTTCAGTCCA TTACCAGCGT 300 TTGCCCGGCG CTTTACCAAC GGCACTTGAC ATCCGNATGG TTNCAAAGAT TGATGGTTCG 360 GCCCAGGGGT TACACNTTTT TNNCGGTTGT ACGGCCACAC ATNTTTCAGC GTGGGCAAAA 420

AAGCGCGGCG GATGCCCCAT TNCCCCGCCN TGGCATTACA TGTTCAAGTT GAGCAACGTC

480

500

### (2) INFORMATION FOR SEQ ID NO:676:

ACAANGGTAC CGTACGTAAT

- (i) SEQUENCE CHARACTERISTICS:
  - (A) LENGTH: 371 base pairs
  - (B) TYPE: nucleic acid
  - (C) STRANDEDNESS: double
  - (D) TOPOLOGY: linear

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:676:	
AANTAATGCG CCGTCAAACA TACTGCTCAT AATGCGGGAG GTGTTGTNAT CAAGCACGAN	60
ACGCTGGCGA ACAGGAAGGT AAACATGATT AATCAATTGA TCTACTGGGT ACTCTCGACC	120
CAGTGAAATA ATTCTCGCGC GTAGTTTGGC AGGATTAGCC ATGCGAAGAA TTGACATCAT	180
CTCTTCTTGC AGGCGGCTCC AGTCATCTTC CGTATCCTGG CTGGTGGTTT CCAGTAATGC	240
TTTAACTTTG CCTACAGGGN CGCCATTACT TATCCAACGC TTGATCTCTT CGATGCGTTG	300
TATGTCTTCT TCATCAAAGA GTNGGTGTTC CGCCTTAATN GNGTNGGGGT TTTAAACAAA	360
CCGTGGGNGG T	371
(2) INFORMATION FOR SEQ ID NO:677:	,
(i) SEQUENCE CHARACTERISTICS:  (A) LENGTH: 374 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: double (D) TOPOLOGY: linear  (xi) SEQUENCE DESCRIPTION: SEQ ID NO:677:  GGCAGAGCCA GTTTTAAAAG TATCTTAAAA ATTTTNAATA AGACTTTTTG CCAAATATAT  TTAAGGATCA AAGTACTTCT TGATGAATCA CTTTTTATCG TATTGATGCC TTTGAACTCA  TCTTAGTTTG TCTGCATGTN GTTATTACCA ATTCGTGAGG AATGGCCATT TCAAAGTTTA  CCATAAATGA NGTAAAACGT CTTCAGTGCA CACTGCTTGG CTTTGAATTC CTTACTCTAC	60 120 180 240 300
TCTTTCTTAC TGTNGTGAAC ATATGGCAAG TTAACTTTAG CTTCTGCACT TCCTGTTTGT  GGTTTTCCCC TTTATTGGGT GGTNATAAAC AGTCTCTGTC NTCCTAGGGA TCTNCCCNGG	360
	374
TTGTTGTGGG NGTT	
(2) INFORMATION FOR SEQ ID NO:678:  (i) SEQUENCE CHARACTERISTICS:  (A) LENGTH: 361 base pairs  (B) TYPE: nucleic acid  (C) STRANDEDNESS: double  (D) TOPOLOGY: linear	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:678:	
GGCANAGGNA CAGTGCCATT ATCCACACCA GCATGGGNGA CATTCACACC AAACTTTTTC	60
CTGTTGAGTG CCCTANGACA GTGGAAAACT TCTGTTTTCA CAGCAGAAAT GGTTATTATA	
ATGGGNCATA CATTTCACCG TATAATTGAA GGGCTTTATG GTTCAGACTG GGAGATCCAA	180

CAGGTACTGT TATGGGGAGG AGAAAGCATA TGGGGGAGGA GGATTTGNNG GATGAATTTC	240
CATTCAACAT TACGGACATG ACAGGCCGTA CACACTCAGC ATGGGTTAAC GCGGGGATCA	300
AATACTNATT GGGTCCCCAN TTTTTTCATA ACGGGTNGTA CCCACGGNCT TTGGGTTTGN	360
Т	361
(2) INFORMATION FOR SEQ ID NO:679:	•
<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 365 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:679:	
CTCAGTTTGG TATATTCTCC TGTNAATGCT TGCAATTNCA TTATCAAATT TTTGTAGTGT	60
CTCAGTTTGG TATATTCTCC TGTNAATGCT TOOTCOME GTTTTTAAGN TCTATCAGGT CAGTNACATT CTTTCCTATA CTGGCTATTT NGTGTGTTAA	120
	180
GTNCCTATAT CATTTTATTG TNAATTCTAA GCTTNCTTGG ATTGAGCCTT CAATGTTCTC	240
CTGCATCTNA ATGGTCTNNA TTCCCTACCC ATATTCTTAA TTCTGACTCC TGTGNATTTC	
CAGCTATCTG CAGCCTAGTT AAGGAACCTT TGGCCTGGTT NAGGAACCCT TGNTAGNGGA	300
ATTACTGTGA CAGTTTAGAG GAAGGAATNC ANTCGGGCTT TTGGAGTTGT CCAGGGTTCT	360
TGCGG	365
(2) INFORMATION FOR SEQ ID NO:680:	
<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 376 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:680:	
GGCACAGGGA ATAGCTCTGG CTAAGCGGTG GCCAAGGATG TGGGCAGAAG ACAACCCTCC	60
AGGGTNGCNA ATCAACCAGG CCCCCATACT CATAGAATTT AAGCCTGGGG CCCAGCCAGT	120
NCAGGCAAAA TCAGTACCCG GTCCCCAGNG AAAGTTNTTG AAGGTATCCA GGTCCATCTC	180
NCAGGCAAAA TCAGTACCCG GTCCCCAAAA TEETAAAAAA TCAGTACCCG GAACACTCCC AAGTGCCCTG AGGGCCTTTG GAATTAATAG TTCCTTGTCN AGTTTCCATG GAACACTCCC	240
AAGTGCCCTG AGGGCCTTTG GAATTAATAG TICCTTOTOL CCCGGTAACA GGTTTTTGCGC	300
CTCCTGCCTG TTCCCCAAGC CTGGGNNCCA AGGACTACAG GCCGGTAACA GGTTTTGCGC	360
TTGTTTCCAT CCAGGCTACA GTGAACTTTA ACATCCAGGA GTGACCTAAC CGGTNANACA	
TTGTNGGGGT TNGNTG	376

# (2) INFORMATION FOR SEQ ID NO:681: (i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 355 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: double (D) TOPOLOGY: linear (xi) SEQUENCE DESCRIPTION: SEQ ID NO:681: GGCANAGGGA TCTTTGGAAG TTTGATTAGA AAATGCCTTG AGGTAGTCTT CTTTGGGTTA 60 AACCTGCTTG ATGTTCTATA AGCTTCTTGT ACTTGAAATA TTGATAACTT TCCCTAGGTT 120 TGGGANCATT CTGTNATTAT CCCTTTGGGA TAAACTTTCT ACGGCTATCT TCTTCTCTAT 180 CTCCTCTGTA AGGCCAANAA CTCTNAGTTT TGCCCTTTTA AGGCTATTTC CTGTATCTTG TAGGTATGTT TCATTCCCTT TTAAATCTTN TTNCCTTTNG TATCCCCTGG ACTATACATT 300 NNCAAGTAGC CGTCTTCAGA CTCACTAATT CTTTCCTCCG GTTTGGAACC AGTTC 355 (2) INFORMATION FOR SEQ ID NO:682: (i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 382 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: double (D) TOPOLOGY: linear (xi) SEQUENCE DESCRIPTION: SEQ ID NO:682: GGCANAGTGT AAGCTCAGAG AGGAGTGAAG CTCGCCGGAA ACTTCGGGAA TGTAATGGTT 60 TAGTTAATGC CCTCATTTTN ATTGTTCAGG CTGAGAATTG GGCAGAAGGA TTCAAACAGC 120 AAGCTTGTAG AGAACTGTNT TTGCCTTCTN CGGAACTTAT CATATCAAGT TCACCGGGAG 180 ATCCCACAGG CAGAGCGTTA CCAAGAGGCA GCTCCCCAAT GTTGCCAACA ATACTGGGCC 240 ACATGCTGCC AGTTGCTTTG GGGCCAAGAA GGGCAAGGGA AAAAACCTAT AGAGGNTCCA 300

### (2) INFORMATION FOR SEQ ID NO:683:

TTANCCCATT TGGNCCTTTA GT

- (i) SEQUENCE CHARACTERISTICS:
  - (A) LENGTH: 366 base pairs

GCAAACGATT ACATGGGTTT TCCCTTAAAA GNACGGGTTC CCATTNGGGG GGGGCCCCG

360

- (B) TYPE: nucleic acid
- (C) STRANDEDNESS: double
- (D) TOPOLOGY: linear

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:683:	
GGCANANAAG TAGCTGTAAC TACACTCCCC ANATGTNAGT AATTACTGCA GTGGTTTTAA	60
CACAGGGCCA CACATCCTTG GCTCTCCTCT CCCCAGGAGG TGAAGCTTCC TTTTCTCTTT	120
GCCATGTGNG TCTNCAGCTA GTAAAGCAAA AGCTATACCT TGAACAGTGG GAGTCCAGGC	180
AGACACTTCC TGCCCCAGTG AACCAGGGTT GTCCCCGGGC AAGCCATGGG CCATCAGGGN	240
ACCCATGINI TICAGCATGG ACTCCGGGAT GACAGGATGA GNAACCTCAT TCTGTGGGGT	300
TTTTTTCCNA AAACCCATCA NCCCCAGTTT TTAANCTGNG GAAATTTTCG GGGCAAACCC	360
AACCTG	366
(2) INFORMATION FOR SEQ ID NO:684:	
<ul><li>(i) SEQUENCE CHARACTERISTICS:</li><li>(A) LENGTH: 355 base pairs</li><li>(B) TYPE: nucleic acid</li></ul>	
(C) STRANDEDNESS: double (D) TOPOLOGY: linear	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:684:	
	60
GGCAGAGCGG CANGAGTTCT CAGGAGCCAC TCATCTGCTG GCAGAGGTAG CAGAAGAATG	
CCCTTAGTGT AAGTCCTCTA CAACCATACA CCAAATGTGC TCCCTGCATT TCAAATTCCA	120
TTGTAGAAAG TCTCTGNATA ATCTCACTTA TACTATGAGC CATTCCTCAG TATCTGTGCC	180
TCTTCCTGTT AGTGTTCTAC AATTCCTTTC TCCTTAATTT TTCTCCGCTT TACAAAATGT	240
CACACAGAGA AGTGCATAAT ACTTAANGCA AGCTTTTGAA AAATAATGCT CCATNAAATA	300
GCTTTGGTTC TGGTNCATGA TNATTGCGTN TTTATGAAAC ATTTTAAGGT GCATT	355
(2) INFORMATION FOR SEQ ID NO:685:	
<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 312 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:685:	
GGCAGAAAGC AGAGGCAGGG NACGGNTCTN AAACCTCCAG TNTGGAGGGC CCTGGGAAAN	60
TGGCCTCAAA TGTTTCCTTG TNCTCANTGG ATAGGCCTGG TCCGCCATCT GCAGTCCTCC	120
TCCCAGCCCA AGCCTGGTCA TCTCCAAGCC TAAGGACACA CAGCACAAGG NGCACTTNTN	. 180

CCGGTTGGTC AGCTCAGGTT GCCTCATGCT NCAGAGACCT CGCAGGGGAA TGGCTTAAAG

GAGAGAGTNA ACAGGTTTGT TAGAATTGGT ACCAGGNCCA NGTTTTTNTN TTCTTCCCCC	300
AGCTATAAAA CA	312
(2) INFORMATION FOR SEQ ID NO:686:	٠
<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 216 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:686:	
GGCAGAGGTG CAGAANANTA ANTNTCCAAG NAAGTNTGCC AACGGAGTCT TTCTTACGGN	60
CAAAGCTTTT TAGCCCATTT CNTCACTGTG GTCTTGTCCT GGGTACAAAG TAAAGGCACA	120
ATGGGCCCCC TGGCCTTCCT GTTTGNAAAT CCCCTTCCCA GGCTGTCTAA TCATNGTAGA	180
TCTTTTCCNN GAGGAAGCAT ATCCTNTTGG TCTTGT	216
(2) INFORMATION FOR SEQ ID NO:687:	
<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 377 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:687:	
CTGCAGTTAT CCCAGGGCTT AAAATTAAAT TAAATTAAAA ACAAAGACCC AAATCAAAAC	60
AAAATTTAAA AAAAGCCAAC CAACCAAATA AACAAAGAAA AAGNACTGCA GTTAANCCAA	120
TCAGGTTTCA CTAGTAGGGA AAAGGAAAAN TTATTAAAGA TATTGGGTCT TTTTATTTCC	180
TTGCGGGATT AAATTAACTT CCCCTAGGGC TGTGCCAAGT CCTGGANCTG AACATATTAG	240
GNGGTTTTTN TTNAAACTCC AGNGNGGTGT AATTATNTTT CCCCTTAGTG TGATTGGTGG	300
ATTTTAAGGG TTTCCNTCTG NCCGGGTTTT AACCCACCAC CTGGGGGGAC NTGGNGGGGC	360
CTTTTTTTGN GGGGGGT	377
(2) INFORMATION FOR SEQ ID NO:688:	
<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 118 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:688:	
GGCACGAGGA AAATNATGAT TCCTGTCCCA ATGCACAATC TCAGGAGTGG TTATTGCCTT	60
AAAGACTTAA TCAGTATCGT TCATGATATC CTTTTTTTTT TTTTTTTTT TTNNNNGN	118
(2) INFORMATION FOR SEQ ID NO:689:	
<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 332 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:689:	
GGCAGAGCNG AGAACCACAA GGCGAGATGT CTGCTCATGC CTTCCCTGTG CAGACGTGCG	60
GGGAGGAAGA TCAGAAGAAA ACCCCACAAG TTCCTATCAA TTTCACAGAA CTTTCCAAGT	120
GCTCTTAGAG TTGAAAGATA ATGTCTGGGG AAAGAGNAAG TCTAAATCTG NATGAAAGGA	180
CAAAGGTGGA TAAAGTAGGC TGTGGGGGGA AAATGAAAGG ATGATGGACC AGCTTAAGGG	240
AGGCAAGGAG AAGGCCCCTA AATGCCCCCC CAAAGACCAC TGCCTGTTCT GTTCANGATT	300
CCCCAGCATC NAATTCCCTT AGNCCNTNGG GG	332
(2) INFORMATION FOR SEQ ID NO:690:	
<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 501 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:690:	60
GGCACGAGNA TTACAGCGGC ATAGAGACAT ATTGCAGGAT TATACACATG ANTTCCATAA	60
AACCAAAGCA AACTTTATGG CAATACGGGA AAGGGAGAAT CTTATGGGAT CAGTACGAAA	120
AGATATTGAG TCATATAAAA GTGGGTCTGG AGTAAACAAC AGAAGANCTG AGCTATTTTT	180
GAAAGANCAT GACCACCTNC GAAACTCAGA TCGTCTGATT AGAAGAGACA ATAAGCATTG	240
CTATGGCAAC AAAAGAAAAT ATGGACTTCA CAGAGAGGAA TGTTGAAGTC AATTTCACAG	300
CAAANTGGAA CACTTTGGGC CATTCGTTTT NCCTGCTGTA AAACCGTNCG GNTCCAGAGG	360
CAAANTGGAA CACTTTGGGC CATTCGTTTT NCCTGCTGTA AAACCGTNCG GNTCCAGAGG GTCAACCTGA GGAAGNGGCG GGACTCGTTC CTTCTAGGGG GTGTTATTNG GGTCTGTTAC	360 420
CAAANTGGAA CACTTTGGGC CATTCGTTTT NCCTGCTGTA AAACCGTNCG GNTCCAGAGG	360

(2) INFORMATION FOR SEQ ID NO:691:

<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 204 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	e.
	•
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:691:	
GGCAGAGGTC ATATCCAATN AATGTCCCCT GGTAATTTTT GAAAGTNATT TAATGTTTTC	60
AGTTGATCCC TACATATGGT TACTTTCTGT GGCACAATGA TAGTGTCATT TACTGAAGTC	120
TCCAAGTAGG AGTAAAGGAG TAGCAGTCTG AATTTTGTCA GGAGCTATNA ATTAAACCAG	180
	204
CATGAGAAAT CAANTTTTGC AAGT	201
(2) INFORMATION FOR SEQ ID NO:692:	
(i) SEQUENCE CHARACTERISTICS:  (A) LENGTH: 387 base pairs	
(B) TYPE: nucleic acid	
(C) STRANDEDNESS: double (D) TOPOLOGY: linear	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:692:	
GGCAGAAAGT CATTCTATAG TAACATCATC CCAGACTGCC TTCTGTATTC CCCTGTGTAC	60
AGTCTCCTTC TGTTTCTAGG TTTAGAAGTT CAGAGGTGAC TGTTTTTTTC CATTTCCACA	120
GCCAAATGGG GGAAGAGGTG AGGCTAGGGG AGTGCTGTGC TGATTCTCCA GCCATGGTNA	180
·	
GACAGGTCAC CCAGGNAGCC TCGAGGAAAG CCCTGGAGGG GAATCACATG TGTACTTTTT	240
NNATGGAAGC TTTTTGCAAA GCACATCTGT GATTACACTT AGTTTATTGG AACTAATGTC	300
CCAGGAGTAG ACATGGATTG GTGGGCCAAG TTATTTNGGG GACACCTAAA CNGNTCATGG	360
ACCCGANNGA CTTTTTCAAA CCTTTAT	387
(2) INFORMATION FOR SEQ ID NO:693:	
<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 314 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:693:	•
GGCANAGGGA AAACTGTGCC AGTTTCCAGG AGGAAGTCAA TTTCATGGCC CTCAATGGTT	60

AAATATACTT GGGGCTCAGT GAAGGGTGAT GACATGAGTT GGTG	GCTTGCC CTGGGCACCC 120
TCAGTCCTGT TGTTGAGTCA TCTGGTTGGG GGCTTCTGGC CCAG	GAGGAAC CTTTGTCCTC 180
TGGGGCAGTG CACCTTCCAG TGATTGTCTC TGCATAGCGG TTA	ATGGGGT GAGGGGGCAA 240
TTTTTTTTTT GTTTGGACAA NNCNTTTTTA AGGTGTTCNT TGN	AAACCAC ACTTGTTAAC 300
AAAGCTTACC CGGG	314
(2) INFORMATION FOR SEQ ID NO:694:	
<ul><li>(i) SEQUENCE CHARACTERISTICS:</li><li>(A) LENGTH: 233 base pairs</li></ul>	
<ul><li>(B) TYPE: nucleic acid</li><li>(C) STRANDEDNESS: double</li><li>(D) TOPOLOGY: linear</li></ul>	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:694:	
AGTCGGTAAA GTAGAGCGGC GACACGAACT TCTNCANCCG CTC	
CCTTCAAGGC CGGCGCACNC ATACGTGCGG GNNTCTCGCT CCT	CTTTCCG NNAAGGCCCC 120
TTGCGACTAC CGTTCCGCTC CACGGNCAGG AAACCAAAGG TTC	CGGCGTC CAGAGGGCGT 180
CTNCCAGTCC CGGGNCANCT TTTCTTGGGA ACACCGNCGG CTG	TTGGTAA GCC 233
(2) INFORMATION FOR SEQ ID NO:695:	
(i) SEQUENCE CHARACTERISTICS:	
<ul><li>(A) LENGTH: 300 base pairs</li><li>(B) TYPE: nucleic acid</li></ul>	
(C) STRANDEDNESS: double (D) TOPOLOGY: linear	
(b) Torobodi. Tinedi	
(with grouping programmeron, GEO TR NO. 605.	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:695:	
TGAGNTGTTC ATGGAGTTTT TAATCAGTAT GTCTNAAACC ATT	AAATNTA NTNNCGATGA 60
TCATANAACT GTGTTTCTAA AANCACTAAA TNAACAACGC CTG	GGAGGGG NNATTTTGTG 120
ATGATNGCTA TTGTGGTTGA GGATGTGANA ATTCAGAGCA CNC	AGNTGTG TTCTTGCCTG 180
CCTGCAGACC TACTTTGAAA AAGCTTTTGC ANGAAGCTTG TGG	TTGNTAG TTCTTCGGGT 240
TCATAGTNAT TTAGGTTTCC TTCGTTCTGG GTGTGTTTGA TAG	AGGGTCC TGGAACTNNC 300
	300
(2) INFORMATION FOR SEQ ID NO:696:	

(i) SEQUENCE CHARACTERISTICS:(A) LENGTH: 241 base pairs(B) TYPE: nucleic acid

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:696:	
CTNCTCTGGG NATGCAGCGT CTGTTGNCTC CAGTGAAAGN CNATTCTGCA AC	CTGACAAGA 60
GCGGTGCAGG AAACCTCCCT CACACCTGCT CGCCTGCTCC CAGTAGCCCA CC	CAAAGGTTT 120
TCTACAGCCT CTGCTGTGCC CCCTGGCCAA AACAGATACT TGGCCAAAGG AC	CGTGGGGCA 180
TCCTGGGCCC TGGGAGGTTC TACTTNCCAG CCCAATNTGT GGGNCCAAAN TT	rgncctgga 240
G	241
(2) INFORMATION FOR SEQ ID NO:697:	
(i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 339 base pairs	·
(B) TYPE: nucleic acid (C) STRANDEDNESS: double	
(D) TOPOLOGY: linear	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:697:	*:+
GGCAGAGTTG CAACATCTCG GAGGGGAATT GTCCGGAGAG AATCATCACC TC	GACCGGCCC 60
CACCAATGCC ATCTTTAAGG CTTTCGCTAT GAATCATCGA CAAGCTGGAG GA	AAGATATCA 120
ACAGCTCCAT GTACCAACAG TTACCGNGGG CCAGCAGGNC CCCGGTTCAC CC	CTGAAGGCT 180
GGTGGTGCCG GCCACCCAGT GCGGCTNCCC TGNATTGGGA AAAGGCGGGT GT	TTAAGATCC 240
AAAGAGATCC GCGNAGAGTN AGGGGGCGCA GGTTCCAGGT GGCGGGGGA TA	ATGCTGCCC 300
AAATTCCACC GAGCGGGCC ATTCACCATC GNTNGGNGT	339
(2) INFORMATION FOR SEQ ID NO:698:	
<ul><li>(i) SEQUENCE CHARACTERISTICS:</li><li>(A) LENGTH: 324 base pairs</li><li>(B) TYPE: nucleic acid</li><li>(C) STRANDEDNESS: double</li><li>(D) TOPOLOGY: linear</li></ul>	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:698:	
GGGCANNGAG GTGAATTGAG GGNGGAGCAC GTAAGNGGTT TTCCCAGAAG AA	ACAATGACC 60
TAACAAGTTG CTGCTTCTCA NATGCCAAGA CTATGTATGA GGTTTTCCAA AC	GAGGACTCG 120
CTGTGTCTGA ACAATTGGCC CTGCTTGGGA ATNATAGTAA AACCAAACCA GC	CCCTACAAA 180
TGGCTATCTT TACAAACAGG TGTTCTGNTA GAGNCAGAGT ACCTGGGGTT CO	CCGTCTCTT 240

GNCATAAAGG TGTGTNAAAN CATTCACCCA GGACCCAGTT TTNTTCGGGG GATCTTTTTG	300
GTTCCAGAAT AGGNGCCCAT AGGT	324
(2) INFORMATION FOR SEQ ID NO:699:	
<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 177 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:699:	
GGCAGAGNCA GAGATGGCCC TCCCCTCCGT GGATCCAACA TGGNATTTAA AAGANCCCAC	60
AGAAGNGGGT NGAGCACAGA GACCACGAAC TCCAGNTTAA ACCTCGAAAC ANTCGTGAAC	120
GCCCCTNCAT TGNAAGTAGC CAATCCNAAC TCTGCCTAAT GCTTCCGGGG GTGCCCA	177
(2) INFORMATION FOR SEQ ID NO:700:	
<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 216 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:700:	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:700:  GGCAGANAAT GGGCCCTNCT TGGAATATAG TGAACCAAAT AANCTCTNCA NATGGCTATC	60
	60 120
GGCAGANAAT GGGCCCTNCT TGGAATATAG TGAACCAAAT AANCTCTNCA NATGGCTATC	
GGCAGANAAT GGGCCCTNCT TGGAATATAG TGAACCAAAT AANCTCTNCA NATGGCTATC TTACAAACAG GTGTCTAATA GGGCAGAGNN CCTGGNTTCC TGTCTCTTGG CATAANGGTT	120
GGCAGANAAT GGGCCCTNCT TGGAATATAG TGAACCAAAT AANCTCTNCA NATGGCTATC TTACAAACAG GTGTCTAATA GGGCAGAGNN CCTGGNTTCC TGTCTCTTGG CATAANGGTT ATGAAATCAT GCACCAGNCC AGTTTGTGCG GACATCTTNG CTTCAGCAAT AGGCCAGAGT	120 180
GGCAGANAAT GGGCCCTNCT TGGAATATAG TGAACCAAAT AANCTCTNCA NATGGCTATC TTACAAACAG GTGTCTAATA GGGCAGAGNN CCTGGNTTCC TGTCTCTTGG CATAANGGTT ATGAAATCAT GCACCAGNCC AGTTTGTGCG GACATCTTNG CTTCAGCAAT AGGCCAGAGT GGGATCCANC TCCNAAATTG GCCTTGTTAA NACGTG	120 180
GGCAGANAAT GGGCCCTNCT TGGAATATAG TGAACCAAAT AANCTCTNCA NATGGCTATC  TTACAAACAG GTGTCTAATA GGGCAGAGNN CCTGGNTTCC TGTCTCTTGG CATAANGGTT  ATGAAATCAT GCACCAGNCC AGTTTGTGCG GACATCTTNG CTTCAGCAAT AGGCCAGAGT  GGGATCCANC TCCNAAATTG GCCTTGTTAA NACGTG  (2) INFORMATION FOR SEQ ID NO:701:  (i) SEQUENCE CHARACTERISTICS:  (A) LENGTH: 153 base pairs  (B) TYPE: nucleic acid  (C) STRANDEDNESS: double  (D) TOPOLOGY: linear	120 180
GGCAGANAAT GGGCCCTNCT TGGAATATAG TGAACCAAAT AANCTCTNCA NATGGCTATC  TTACAAACAG GTGTCTAATA GGGCAGAGNN CCTGGNTTCC TGTCTCTTGG CATAANGGTT  ATGAAATCAT GCACCAGNCC AGTTTGTGCG GACATCTTNG CTTCAGCAAT AGGCCAGAGT  GGGATCCANC TCCNAAATTG GCCTTGTTAA NACGTG  (2) INFORMATION FOR SEQ ID NO:701:  (i) SEQUENCE CHARACTERISTICS:  (A) LENGTH: 153 base pairs  (B) TYPE: nucleic acid  (C) STRANDEDNESS: double  (D) TOPOLOGY: linear	120 180
GGCAGANAAT GGGCCCTNCT TGGAATATAG TGAACCAAAT AANCTCTNCA NATGGCTATC  TTACAAACAG GTGTCTAATA GGGCAGAGNN CCTGGNTTCC TGTCTCTTGG CATAANGGTT  ATGAAATCAT GCACCAGNCC AGTTTGTGCG GACATCTTNG CTTCAGCAAT AGGCCAGAGT  GGGATCCANC TCCNAAATTG GCCTTGTTAA NACGTG  (2) INFORMATION FOR SEQ ID NO:701:  (i) SEQUENCE CHARACTERISTICS:  (A) LENGTH: 153 base pairs  (B) TYPE: nucleic acid  (C) STRANDEDNESS: double  (D) TOPOLOGY: linear  (xi) SEQUENCE DESCRIPTION: SEQ ID NO:701:	120 180 216

(2) INFORMATION FOR SEQ ID NO:702:	
<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 112 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	,
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:702:	
GGCACGAGGA GACTGCAGTG NGTGTCCGTG TCTATCAAAT ACCTAAGGAG TCCCCAGGAG	60
CTNGCTGGCC ATCGTAATAG GATNTNTCTG TCCTGTAAAC TGTGCCAATT NA	112
(2) INFORMATION FOR SEQ ID NO:703:	
<ul><li>(i) SEQUENCE CHARACTERISTICS:</li><li>(A) LENGTH: 72 base pairs</li><li>(B) TYPE: nucleic acid</li><li>(C) STRANDEDNESS: double</li></ul>	
(D) TOPOLOGY: linear	• .
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:703:	
GGCACAGGNT TTTNGGGATC ATGTCTGGTG GCTCCCCGGA TTATAACACC AGAAAACATG	60
GCGGTCCAAA GG	72
(2) INFORMATION FOR SEQ ID NO:704:	
<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 159 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:704:	
AGCTCCACCA GCATCAAATG AAACAATAGT NCAGTTNTNC TGCTCANAGA TATTCTCCCT	60
TATCCACTTC AGGNACACCT GGCTCTGCAT GACAGATAGT CCACTGGGTT ATCAAAAAAG	120
CCCTGNNATT TNAGAAGNAT GTAGGTCCAT GGTGATAAT	159
(2) INFORMATION FOR SEQ ID NO:705:	
(i) SEQUENCE CHARACTERISTICS:  (A) LENGTH: 88 base pairs  (B) TYPE: nucleic acid  (C) STRANDEDNESS: double  (D) TOPOLOGY: linear	

GCANAGCAG GAATACCAGA GCAAGAAACT GATGTCTGAC AACGGANNNG NAGTTCAAAG  ATTCTTTGTA GCAGACACTG CAAATGAA  (2) INFORMATION FOR SEQ ID NO:706:  (i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 1.55 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: double (D) TOPOLOGY: linear  (xi) SEQUENCE DESCRIPTION: SEQ ID NO:706:  CAAATCTCTN AACGAATCAT GTAATTAATA AATATTTTAA GCACTCATCA GTATTCTCCA ATGTAACCTT CTNATTGGAG TACACAGANG GAAAGCAAAG AAGAGCATCT AACTTCTAGC  (2) INFORMATION FOR SEQ ID NO:707:  (i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 125 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: double (D) TOPOLOGY: linear  (xi) SEQUENCE DESCRIPTION: SEQ ID NO:707:  NCTNAGGCTA TCCCCTTGTA AGNGTTTTGT ATCGGCTCGG AACCCCAAGT AACATACCAA (2) INFORMATION FOR SEQ ID NO:708:  (i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 363 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: double (D) TOPOLOGY: linear  (xi) SEQUENCE CHARACTERISTICS: (A) LENGTH: 363 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: double (D) TOPOLOGY: linear	(xi) SEQUENCE DESCRIPTION: SEQ ID NO:705:	
(2) INFORMATION FOR SEQ ID NO:706:  (i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 155 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: double (D) TOPOLOGY: linear  (xi) SEQUENCE DESCRIPTION: SEQ ID NO:706:  CAMATCTCTN AACGAATCAT GTAATTAATA AATATTTTAA GCACTCATCA GTATTCTCCA ATGTAACCTT CTNATTGGAG TACACAGANG GAAAGCAAAG AAGAGCATCT AACTTCTAGC  120 TCTGGCTTNN AGCCTCTCTA CCAGGCCGAN GCAAG (2) INFORMATION FOR SEQ ID NO:707:  (i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 125 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: double (D) TOPOLOGY: linear  (xi) SEQUENCE DESCRIPTION: SEQ ID NO:707:  NCTNAGGCTA TCCCCTTGTA AGNGTTTTGT ATCGGCTCGG AACCCCAAGT AACATACCAA 60 CAGACANCAC GNGGGCAGTG TGGGAGCAAC ATGCTGGTTT TAATNAGTCG CCTGGGANGC 120 AGNTA.  (2) INFORMATION FOR SEQ ID NO:708:  (i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 363 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: double (D) TOPOLOGY: linear  (xi) SEQUENCE CHARACTERISTICS: (A) LENGTH: 363 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: double (D) TOPOLOGY: linear	GGCANAGCAG GAATACCAGA GCAAGAAACT GATGTCTGAC AACGGANNNG NAGTTCAAAG	60
(i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 155 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: double (D) TOPOLOGY: linear  (xi) SEQUENCE DESCRIPTION: SEQ ID NO:706:  CARACTCTCTN AACGAATCAT GTAATTAATA AATATTTTAA GCACTCATCA GTATTCTCCA ATGTAACCTT CTNATTGGAG TACACAGANG GAAAGCAAAG AAGAGCATCT AACTTCTAGC 120 TCTGGCTTNN AGCCTCCTCA CCAGGCCGAN GCAAG (2) INFORMATION FOR SEQ ID NO:707: (i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 125 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: double (D) TOPOLOGY: linear  (xi) SEQUENCE DESCRIPTION: SEQ ID NO:707:  NCTNAGGCTA TCCCCTTGTA AGNGTTTTGT ATCGGCTCGG AACCCCAAGT AACATACCAA CAGACANCAC GNGGGCAGTG TGGGAGCAAC ATGCTGGTTT TAATNAGTGG CCTGGGANGC 120 AGNTA.  (2) INFORMATION FOR SEQ ID NO:708:  (i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 363 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: double (D) TOPOLOGY: linear  (xi) SEQUENCE CHARACTERISTICS: (A) LENGTH: 363 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: double (D) TOPOLOGY: linear  (xi) SEQUENCE DESCRIPTION: SEQ ID NO:708:  GGCANAGGNA CGGTGGGCAC TCTGTCCCAG CGGATCACAA ACCAGGTCCA TGGTTTGAAG GGACTGAGGT TCCAAGCTTC TGGATATNAG GNGCTACCTG GNAAAAAGTC GCCACAGGCA 120	ATTCTTTGTA GCAGACACTG CAAATGAA	88
(A) LENGTH: 155 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: double (D) TOPOLOGY: linear  (xi) SEQUENCE DESCRIPTION: SEQ ID NO:706:  CAAATCTCTN AACGAATCAT GTAATTAATA AATATTTTAA GCACTCATCA GTATTCTCCA ATGTAACCTT CTNATTGGAG TACACAGANG GAAAGCAAAG AAGAGCATCT AACTTCTAGC  TCTGGCTTNN AGCCTCTCTA CCAGGCCGAN GCAAG  (2) INFORMATION FOR SEQ ID NO:707:  (i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 125 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: double (D) TOPOLOGY: linear  (xi) SEQUENCE DESCRIPTION: SEQ ID NO:707:  NCTNAGGCTA TCCCCTTGTA AGNGTTTTGT ATCGGCTCGG AACCCCAAGT AACATACCAA CAGACANCAC GNGGGCAGTG TGGGAGCAAC ATGCTGGTTT TAATNAGTCG CCTGGGANGC AGNTA  (2) INFORMATION FOR SEQ ID NO:708: (i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 363 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: double (D) TOPOLOGY: linear  (xi) SEQUENCE CHARACTERISTICS: (A) LENGTH: 363 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: double (D) TOPOLOGY: linear  (xi) SEQUENCE CHARACTERISTICS: (A) LENGTH: 363 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: double (D) TOPOLOGY: linear  (xi) SEQUENCE CHARACTERISTICS: (A) LENGTH: 363 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: double (D) TOPOLOGY: linear  (xi) SEQUENCE CHARACTERISTICS: (A) LENGTH: 363 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: double (D) TOPOLOGY: linear	(2) INFORMATION FOR SEQ ID NO:706:	
CAAATCTCTN AACGAATCAT GTAATTAATA AATATTTTAA GCACTCATCA GTATTCTCCA  ATGTAACCTT CTNATTGGAG TACACAGANG GAAAGCAAAG AAGAGCATCT AACTTCTAGC  TCTGGCTTNN AGCCTCTCTA CCAGGCCGAN GCAAG  (2) INFORMATION FOR SEQ ID NO:707:  (i) SEQUENCE CHARACTERISTICS:  (A) LENGTH: 125 base pairs  (B) TYPE: nucleic acid  (C) STRANDEDNESS: double  (D) TOPOLOGY: linear  (xi) SEQUENCE DESCRIPTION: SEQ ID NO:707:  NCTNAGGCTA TCCCCTTGTA AGNGTTTTGT ATCGGCTCGG AACCCCAAGT AACATACCAA  60  CAGACANCAC GNGGGCAGTG TGGGAGCAAC ATGCTGGTTT TAATNAGTCG CCTGGGANGC  125  (i) SEQUENCE CHARACTERISTICS:  (A) LENGTH: 363 base pairs  (B) TYPE: nucleic acid  (C) STRANDEDNESS: double  (D) TOPOLOGY: linear  (xi) SEQUENCE DESCRIPTION: SEQ ID NO:708:  GGCANAGGNA CGGTGGGCAC TCTGTCCCAG CGGATCACAA ACCAGGTCCA TGGTTTGAAG  GGACTGAGAC TCCAAGCTTC TGGATATNAG GNGCTACCTG GNAAAAAGTC GCCACAGGCA  120	<ul><li>(A) LENGTH: 155 base pairs</li><li>(B) TYPE: nucleic acid</li><li>(C) STRANDEDNESS: double</li></ul>	
CAAATCTCTN AACGAATCAT GTAATTAATA AATATTTTAA GCACTCATCA GTATTCTCCA  ATGTAACCTT CTNATTGGAG TACACAGANG GAAAGCAAAG AAGAGCATCT AACTTCTAGC  TCTGGCTTNN AGCCTCTCTA CCAGGCCGAN GCAAG  (2) INFORMATION FOR SEQ ID NO:707:  (i) SEQUENCE CHARACTERISTICS:  (A) LENGTH: 125 base pairs  (B) TYPE: nucleic acid  (C) STRANDEDNESS: double  (D) TOPOLOGY: linear  (xi) SEQUENCE DESCRIPTION: SEQ ID NO:707:  NCTNAGGCTA TCCCCTTGTA AGNGTTTTGT ATCGGCTCGG AACCCCAAGT AACATACCAA  60  CAGACANCAC GNGGGCAGTG TGGGAGCAAC ATGCTGGTTT TAATNAGTCG CCTGGGANGC  125  (i) SEQUENCE CHARACTERISTICS:  (A) LENGTH: 363 base pairs  (B) TYPE: nucleic acid  (C) STRANDEDNESS: double  (D) TOPOLOGY: linear  (xi) SEQUENCE DESCRIPTION: SEQ ID NO:708:  GGCANAGGNA CGGTGGGCAC TCTGTCCCAG CGGATCACAA ACCAGGTCCA TGGTTTGAAG  GGACTGAGAC TCCAAGCTTC TGGATATNAG GNGCTACCTG GNAAAAAGTC GCCACAGGCA  120		
ATGTAACCTT CTNATTGGAG TACACAGANG GAAAGCAAAG AAGAGCATCT AACTTCTAGC  TCTGGCTTNN AGCCTCTCTA CCAGGCCGAN GCAAG  (2) INFORMATION FOR SEQ ID NO:707:  (i) SEQUENCE CHARACTERISTICS:     (A) LENGTH: 125 base pairs     (B) TYPE: nucleic acid     (C) STRANDEDNESS: double     (D) TOPOLOGY: linear  (xi) SEQUENCE DESCRIPTION: SEQ ID NO:707:  NCTNAGGCTA TCCCCTTGTA AGNGTTTTGT ATCGGCTCGG AACCCCAAGT AACATACCAA  60  CAGACANCAC GNGGGCAGTG TGGGAGCAAC ATGCTGGTTT TAATNAGTCG CCTGGGANGC  125  (2) INFORMATION FOR SEQ ID NO:708:  (i) SEQUENCE CHARACTERISTICS:     (A) LENGTH: 363 base pairs     (B) TYPE: nucleic acid     (C) STRANDEDNESS: double     (D) TOPOLOGY: linear  (xi) SEQUENCE DESCRIPTION: SEQ ID NO:708:  GGCANAGGNA CGGTGGGCAC TCTGTCCCAG CGGATCACAA ACCAGGTCCA TGGTTTGAAG  GGACTGAGAC TCCAAGCTTC TGGATATNAG GNGCTACCTG GNAAAAAGTC GCCACAGGCA  120	(xi) SEQUENCE DESCRIPTION: SEQ ID NO:706:	
TCTGGCTTNN AGCCTCTCTA CCAGGCCGAN GCAAG  (2) INFORMATION FOR SEQ ID NO:707:  (i) SEQUENCE CHARACTERISTICS:     (A) LENGTH: 125 base pairs     (B) TYPE: nucleic acid     (C) STRANDEDNESS: double     (D) TOPOLOGY: linear  (xi) SEQUENCE DESCRIPTION: SEQ ID NO:707:  NCTNAGGCTA TCCCCTTGTA AGNGTTTTGT ATCGGCTCGG AACCCCAAGT AACATACCAA  CAGACANCAC GNGGGCAGTG TGGGAGCAAC ATGCTGGTTT TAATNAGTCG CCTGGGANGC  AGNTA.  (2) INFORMATION FOR SEQ ID NO:708:  (i) SEQUENCE CHARACTERISTICS:     (A) LENGTH: 363 base pairs     (B) TYPE: nucleic acid     (C) STRANDEDNESS: double     (D) TOPOLOGY: linear  (xi) SEQUENCE DESCRIPTION: SEQ ID NO:708:  GGCANAGGNA CGGTGGGCAC TCTGTCCCAG CGGATCACAA ACCAGGTCCA TGGTTTGAAG  GGACTGAGAC TCCAAGCTTC TGGATATNAG GNGCTACCTG GNAAAAAGTC GCCACAGGCA  120	CAAATCTCTN AACGAATCAT GTAATTAATA AATATTTTAA GCACTCATCA GTATTCTCCA	60
(2) INFORMATION FOR SEQ ID NO:707:  (1) SEQUENCE CHARACTERISTICS: (A) LENGTH: 125 base pairs (B) TYPE: nucleic acid (C) STRANDEDBESS: double (D) TOPOLOGY: linear  (xi) SEQUENCE DESCRIPTION: SEQ ID NO:707:  NCTNAGGCTA TCCCCTTGTA AGNGTTTTGT ATCGGCTCGG AACCCCAAGT AACATACCAA 60  CAGACANCAC GNGGGCAGTG TGGGAGCAAC ATGCTGGTTT TAATNAGTCG CCTGGGANGC 120  AGNTA. 125  (2) INFORMATION FOR SEQ ID NO:708:  (i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 363 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: double (D) TOPOLOGY: linear  (xi) SEQUENCE DESCRIPTION: SEQ ID NO:708:  GGCANAGGNA CGGTGGGCAC TCTGTCCCAG CGGATCACAA ACCAGGTCCA TGGTTTGAAG 60  GGACTGAGAC TCCAAGCTTC TGGATATNAG GNGCTACCTG GNAAAAAGTC GCCACAGGCA 120	ATGTAACCTT CTNATTGGAG TACACAGANG GAAAGCAAAG AAGAGCATCT AACTTCTAGC	120
(i) SEQUENCE CHARACTERISTICS:  (A) LENGTH: 125 base pairs  (B) TYPE: nucleic acid  (C) STRANDEDNESS: double  (D) TOPOLOGY: linear  (xi) SEQUENCE DESCRIPTION: SEQ ID NO:707:  NCTNAGGCTA TCCCCTGTA AGNGTTTTGT ATCGGCTCGG AACCCCAAGT AACATACCAA 60  CAGACANCAC GNGGGCAGTG TGGGAGCAAC ATGCTGGTTT TAATNAGTCG CCTGGGANGC 120  AGNTA. 125  (2) INFORMATION FOR SEQ ID NO:708:  (i) SEQUENCE CHARACTERISTICS:  (A) LENGTH: 363 base pairs  (B) TYPE: nucleic acid  (C) STRANDEDNESS: double  (D) TOPOLOGY: linear  (xi) SEQUENCE DESCRIPTION: SEQ ID NO:708:  GGCANAGGNA CGGTGGGCAC TCTGTCCCAG CGGATCACAA ACCAGGTCCA TGGTTTGAAG 60  GGACTGAGAC TCCAAGCTTC TGGATATNAG GNGCTACCTG GNAAAAAGTC GCCACAGGCA 120	TCTGGCTTNN AGCCTCTCTA CCAGGCCGAN GCAAG	155
(A) LENGTH: 125 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: double (D) TOPOLOGY: linear  (xi) SEQUENCE DESCRIPTION: SEQ ID NO:707:  NCTNAGGCTA TCCCCTTGTA AGNGTTTTGT ATCGGCTCGG AACCCCAAGT AACATACCAA 60  CAGACANCAC GNGGGCAGTG TGGGAGCAAC ATGCTGGTTT TAATNAGTCG CCTGGGANGC 120  AGNTA. 125  (2) INFORMATION FOR SEQ ID NO:708:  (i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 363 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: double (D) TOPOLOGY: linear  (xi) SEQUENCE DESCRIPTION: SEQ ID NO:708:  GGCANAGGNA CGGTCGGCAC TCTGTCCCAG CGGATCACAA ACCAGGTCCA TGGTTTGAAG 60  GGACTGAGAC TCCAAGCTTC TGGATATNAG GNGCTACCTG GNAAAAAAGTC GCCACAGGCA 120	(2) INFORMATION FOR SEQ ID NO:707:	
NCTNAGGCTA TCCCCTTGTA AGNGTTTTGT ATCGGCTCGG AACCCCAAGT AACATACCAA  CAGACANCAC GNGGGCAGTG TGGGAGCAAC ATGCTGGTTT TAATNAGTGG CCTGGGANGC  120  AGNTA  (2) INFORMATION FOR SEQ ID NO:708:  (i) SEQUENCE CHARACTERISTICS:  (A) LENGTH: 363 base pairs  (B) TYPE: nucleic acid  (C) STRANDEDNESS: double  (D) TOPOLOGY: linear  (xi) SEQUENCE DESCRIPTION: SEQ ID NO:708:  GGCANAGGNA CGGTGGGCAC TCTGTCCCAG CGGATCACAA ACCAGGTCCA TGGTTTGAAG  GGACTGAGAC TCCAAGCTTC TGGATATNAG GNGCTACCTG GNAAAAAGTC GCCACAGGCA  120  120  121  125  126  127  128  129  120  120  120  120  120  120  120	<ul><li>(A) LENGTH: 125 base pairs</li><li>(B) TYPE: nucleic acid</li><li>(C) STRANDEDNESS: double</li></ul>	
CAGACANCAC GNGGGCAGTG TGGGAGCAAC ATGCTGGTTT TAATNAGTGG CCTGGGANGC  AGNTA  (2) INFORMATION FOR SEQ ID NO:708:  (i) SEQUENCE CHARACTERISTICS:  (A) LENGTH: 363 base pairs  (B) TYPE: nucleic acid  (C) STRANDEDNESS: double  (D) TOPOLOGY: linear  (xi) SEQUENCE DESCRIPTION: SEQ ID NO:708:  GGCANAGGNA CGGTGGGCAC TCTGTCCCAG CGGATCACAA ACCAGGTCCA TGGTTTGAAG  GGACTGAGAC TCCAAGCTTC TGGATATNAG GNGCTACCTG GNAAAAAAGTC GCCACAGGCA  120	(xi) SEQUENCE DESCRIPTION: SEQ ID NO:707:	
AGNTA  (2) INFORMATION FOR SEQ ID NO:708:  (i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 363 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: double (D) TOPOLOGY: linear  (xi) SEQUENCE DESCRIPTION: SEQ ID NO:708:  GGCANAGGNA CGGTGGGCAC TCTGTCCCAG CGGATCACAA ACCAGGTCCA TGGTTTGAAG  GGACTGAGAC TCCAAGCTTC TGGATATNAG GNGCTACCTG GNAAAAAGTC GCCACAGGCA  120	NCTNAGGCTA TCCCCTTGTA AGNGTTTTGT ATCGGCTCGG AACCCCAAGT AACATACCAA	60
(2) INFORMATION FOR SEQ ID NO:708:  (i) SEQUENCE CHARACTERISTICS:  (A) LENGTH: 363 base pairs  (B) TYPE: nucleic acid  (C) STRANDEDNESS: double  (D) TOPOLOGY: linear  (xi) SEQUENCE DESCRIPTION: SEQ ID NO:708:  GGCANAGGNA CGGTGGGCAC TCTGTCCCAG CGGATCACAA ACCAGGTCCA TGGTTTGAAG  GGACTGAGAC TCCAAGCTTC TGGATATNAG GNGCTACCTG GNAAAAAGTC GCCACAGGCA  120	CAGACANCAC GNGGGCAGTG TGGGAGCAAC ATGCTGGTTT TAATNAGTGG CCTGGGANGC	120
(i) SEQUENCE CHARACTERISTICS:  (A) LENGTH: 363 base pairs  (B) TYPE: nucleic acid  (C) STRANDEDNESS: double  (D) TOPOLOGY: linear  (xi) SEQUENCE DESCRIPTION: SEQ ID NO:708:  GGCANAGGNA CGGTGGGCAC TCTGTCCCAG CGGATCACAA ACCAGGTCCA TGGTTTGAAG  GGACTGAGAC TCCAAGCTTC TGGATATNAG GNGCTACCTG GNAAAAAGTC GCCACAGGCA  120	AGNTA	125
(A) LENGTH: 363 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: double (D) TOPOLOGY: linear  (xi) SEQUENCE DESCRIPTION: SEQ ID NO:708:  GGCANAGGNA CGGTGGGCAC TCTGTCCCAG CGGATCACAA ACCAGGTCCA TGGTTTGAAG  GGACTGAGAC TCCAAGCTTC TGGATATNAG GNGCTACCTG GNAAAAAGTC GCCACAGGCA  120	(2) INFORMATION FOR SEQ ID NO:708:	
GGCANAGGNA CGGTGGGCAC TCTGTCCCAG CGGATCACAA ACCAGGTCCA TGGTTTGAAG  GGACTGAGAC TCCAAGCTTC TGGATATNAG GNGCTACCTG GNAAAAAGTC GCCACAGGCA  120	<ul><li>(A) LENGTH: 363 base pairs</li><li>(B) TYPE: nucleic acid</li><li>(C) STRANDEDNESS: double</li></ul>	
GGCANAGGNA CGGTGGGCAC TCTGTCCCAG CGGATCACAA ACCAGGTCCA TGGTTTGAAG  GGACTGAGAC TCCAAGCTTC TGGATATNAG GNGCTACCTG GNAAAAAGTC GCCACAGGCA  120	() GROVENOE DESCRIPTION, SEC ID NO.708.	
GGACTGAGAC TCCAAGCTTC TGGATATNAG GNGCTACCTG GNAAAAAGTC GCCACAGGCA 120	·	60
ACTION OF THE PERSON AND AND ACTION OF ADDITIONAL AND ADDITION AND ADDITIONAL ADDITIONAL AND ADDITIONAL AND ADDITIONAL AD	AGCTGCCCAT CAACCACCAG ATCATCTACC AGCTGCAGGA ACGTCTTCAA CCTGCTGCCA	180

GATGTGCAGC CTGCAGGAGT TCGTCAAGGC CTTTTAACCT GGAAGACCAA TGAACCAGAT	240
	300
GGTGGTAGTG TACTTGGCCT CGCTGAATCC GTTCCGTGGT CGCCCTGCAC AACCTTCATC	
ANCAACAAGN TTGCCAACCG GATGCAGAGA GGAAGNANGG CAGGGAAAGN AGTGAGCAAA	360
AAG	363
(2) INFORMATION FOR SEQ ID NO:709:	
<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 116 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:709:	
GGNAGAGGTA AAAAATGGCG CCACCCAGTA CCCGGGAAGC CCAGGGTCCT GTCGGCAACC	60
	116
AGCNCAACCA AATCCATCGG AGAAGAATGG TGNTGANAGC TTCCCGGACG CCNACN	
(2) INFORMATION FOR SEQ ID NO:710:	
<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 105 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:710:	
TTTTCCGCGA AATTTCCTGN NGGAAAGGTC CCAGCATTTA AGGGTGAATG ATGGATTCTT	60
TGTGNTTAAN AGNAACGCCA TTGCTCTACT ATGTGAGAAA TGAGG	105
(2) INFORMATION FOR SEQ ID NO:711:	
<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 109 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
200 TD 300 T11	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:711:	
ATTCGGGCAA GTCCACCACT ACTGGCCATC TAACCTATAA NTCGGGTGGC NTCGACAAAA	60
GACCCNTTGA AAATTTTAGA AGGNGGGTNC TGAGATGGGA AAGGCTTCT	109
(2) INFORMATION FOR SEQ ID NO:712:	
(i) SPOURNCE CHARACTERISTICS:	•

<ul><li>(A) LENGTH: 144 base pairs</li><li>(B) TYPE: nucleic acid</li><li>(C) STRANDEDNESS: double</li><li>(D) TOPOLOGY: linear</li></ul>	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:712:	
CGCNAAAATC CCAAATTTTT GGGTAACANC ATTTGNAAAA CCATCCACAA GTGTCTGNCC	60
TGCTTGGGGA GGAAGATGAA GAGGCATGCN TTATTTGAAC CGAGTTGAAG TGAACGATTT	120
TGANGTNTTG AATCCGGTTT CCGN	144
(2) INFORMATION FOR SEQ ID NO:713:	
<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 146 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:713:	
TAACTGGGGG AAAACCCAGA GGGCATTGGA NAACAGGNTT NCGTAGAAGA ATTCAAGGGC	60
CAGATTTTNA ATGCCCAANA TTGGTTTATG GGAAGCAACA AAAAAANAAA GCACATGTTG	120
CCCANTGGGT TTCCGGNAAG TTCCCT	146
(2) INFORMATION FOR SEQ ID NO:714:	
<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 71 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:714:	
GGNAGAGGCC CAGGTTCAAG AAATTCTCCT GCCTCACCCT ACCANGNAGC TGGAATTNCA	60
GGTGTGTGGN A	71
(2) INFORMATION FOR SEQ ID NO:715:	
<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 67 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:715:	

GGAANACCGG TNCCAAGTGC CTGCCCTCTT TCCCCGGGGC TGGNTCTCGT NTGCCCCGGT	60
TCCTGGG	67
(2) INFORMATION FOR SEQ ID NO:716:	
<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 178 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:716:	•
TGCTGCTGGG AAAGATCTGG AGGTCCAAGT CCTGCAAGGN CATCTCTGGA AAGAGCCAGA	60
TCCTGTTTNC CCTCGTCTTC ACCACCAGGT ACCTGGACCT GTNCACCAAC TTAATCTCCA	120
TCTACAACAC AGTAATGANG GTGGTTTTCN TCCTCTGTNC CTATGTNACA GTGTACAT	178
(2) INFORMATION FOR SEQ ID NO:717:	
<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 196 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
( ') GROUPING PROGREDATION, SEC ID NO.717.	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:717:	60
GAGCAATATG GGATCAAACA CAAAATCACT AGATAACAAC TATTCCACAC CAAATGAAGA	120
GNGGAGACCA CAATAGAACA CTGGATCGAT CGGGGGATCT AGGCGACATN GAAGCCATTN	180
ANAGGGAAAC AACACCCTTG AATGCAGAAG AATTTAGCCA CCACTATCTC CGTNCCATCT	196
GGGCTTATAT GNGACT	190
(2) INFORMATION FOR SEQ ID NO:718:	
<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 139 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
4 1)	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:718:	60
ATTGTNATGG GNTGCCCATT GAAATAAAAG TATTATCAGA ACTTGGTAGA GAAGCTCAGA	120
ATCTTTNANC TNTGGAAATT AGAAAGAAAG CTAGATCATT TGCTAAAGCA GCCATTGNGT	139
እእር እርጥል ልጥር <u>እርር እጥጥጥ</u> ልጥ	133

(2) INFORMATION FOR SEQ 12 NOT 121	
(i) SEQUENCE CHARACTERISTICS:  (A) LENGTH: 84 base pairs  (B) TYPE: nucleic acid	
(C) STRANDEDNESS: double	
(D) TOPOLOGY: linear	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:719:	
GNAAGACCTG TAATGGTGGC TATCCTCCTN AAGCTTGGNA ACTCCTGGNC AAGAAAAGGC	60
CTGGTTNCTG GTGGCCTCTA TGAA	84
(2) INFORMATION FOR SEQ ID NO:720:	
(i) SEQUENCE CHARACTERISTICS:  (A) LENGTH: 182 base pairs	
(B) TYPE: nucleic acid (C) STRANDEDNESS: double (D) TOPOLOGY: linear	
(D) TOPOLOGI: IIIIear	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:720:	
GGNAGAGGNA GCCCACTCCT AATGATGTGG CCATATCCNA CCTCCCTCTG GCTCAAATGT	60
TTAANAGGAT TGTNCAGGCT GTTGTGTACA GCTGTGGAGC CAGAGTTGGA ATTCTTCCCA	120
AGGGGATATT CGGTTGCTGG CTGTACGNNA TGGAAGNCTT TGAAAGCCCN NATTGTTTCC	180
CG	182
(2) INFORMATION FOR SEQ ID NO:721:	
<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 115 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:721:	
TTGGGGAGGA GATGAAGAG CATGAAATTA TTNGACCCAA GTTGAAGTGA ACAAANTTTA	60
ANGGTATTAA ATNCGGTTAC GGATTGNTTT TAAATTTAAT GGAAATCCTT TATTT	115
(2) INFORMATION FOR SEQ ID NO:722:	
<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 359 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:722:	
GGCAGNGAAG CAGTTGATCC TAAGACACGT TTACTTATGN ATAAAATGGT CAACTCTGGA	60
ATGTTGGAGA CAATCACTGG CTGTATTAGT ACAGGAAAGG AGTCTGTTGT CTTTCATGCA	120
TATGGGAGGG AGCATGGNGG ATNAAAAGGA AAGATAGTAA AGTTATACCT ACAGAATGTG	180
CCCATCAAGG TATTTAAAAC AACCCTTGAA TGNAATTTTA AGGAATCGTG ACAAATATNT	240
TGAAAGGTGG ATTTCAGGTT TTAAAGATCG CTTTCAGTTA AACTTANATC CACGTAAGGT	300
CCATCCGCAT GTGGGGGCAG NAAAAGGAAT TGGCACANTT TNGTCAAGTA TTGGCNGTG	359
(2) INFORMATION FOR SEQ ID NO:723:	
<ul><li>(i) SEQUENCE CHARACTERISTICS:</li><li>(A) LENGTH: 440 base pairs</li><li>(B) TYPE: nucleic acid</li><li>(C) STRANDEDNESS: double</li></ul>	
(D) TOPOLOGY: linear	•
	-
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:723:	
GGCAGAGNAT TTAATGTAAG TATTATGGGA ACCTTCATAA GGAAATNAAG ATTCNGAGAA	60
ACAGGTAAAC TCTGGTCTTT CTAAAACAGA CCTGATGAAG AGTAGAGAGT CATGGAGAGT	120
TNTAATAGAG CAAAAAGAGT GTGNATCTCA TGGTAATATA GTAGGGGAAC TTAGCAAGGC	180
CTGTTTATTC CAGATTCTTC CCTGGGGATC CTGTGTCTTC AGAGATAAGG ATACTCGTTT	240
TCCTCTGGGG TATGGGGGGT TGGGGGGGTA CCTCTNCACC TGAGGGCCTT TTNGACCGNC	300
TTNGGAGGAA GGTCCAGAAA ATCCTTNCCG GGGNGNTTAT GAACCCGCTT TCATGGGGGG	360
GAAGGTCAGA GGNAAGGTTC AGAGAGGAAC TTTNTTGCAC ATGCNGTTCT CAAATTNCCT	420
TTCCGGTTTC ATGGCAATNT	440
(2) INFORMATION FOR SEQ ID NO:724:	
<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 420 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:724:	
GGCANAGGAA ATGGCCCTGA AAAAAGACAG GGAAAGCATG GGAACACCGG TACATTGAGG	60
TGTTCAAGTC CCACAGAACC GAGATGGGAT TGGGTGTTGA AGCACAGTGG TCCCAACAGT	120

GCCCGACAGC	GCCAACAATG	GCTTCGTGCG	GCTTCGAGGA	CTCCCATTTG	GNATGCACAA	180
AGGGAAGAAA	TTGTTCCAGT	TCTTCTCAGG	GTTGGAAATT	NTGCCAAACG	GGGTTCACAT	240
TGCCTGTGGG	ACCCCGAAGN	CAAGATTACA	GGGGAAGCGT	TTCGTGCCAT	TTGCCTCGCA	300
GGAGTTTAGC	TGGAGNAAGG	CTCTAGGGGA	AACACAAGGT	GAGGTTTGGG	GCACCAGGTT	360
ACATTTGAGN	TGTTTTTAAG	AGNCAGCCCA	GAGGGAGNTT	AAGNTCATAN	TCAGATTCCC	420
	, , , , , , , , , , , , , , , , , , ,					420

## (2) INFORMATION FOR SEQ ID NO:725:

### (i) SEQUENCE CHARACTERISTICS:

- (A) LENGTH: 486 base pairs
- (B) TYPE: nucleic acid
- (C) STRANDEDNESS: double
  - (D) TOPOLOGY: linear

## (xi) SEQUENCE DESCRIPTION: SEQ ID NO:725:

		2.0				
GGCAGAGCTC	ACCCACAGTA	ACCACACCCA	CGGTGACCAC	GCCCTCACTA	CCCGCAGAGG	60
TGGGCTCNCC	GCACTCAACC	GAGGTGGACG	AGTCCCTGTC	GGTGTCCTTT	GAAGCAGGTG	120
AGNNCCGCCA	TCCGCCCCCA	CCAGTGAAGG	CTGGGNCTGA	AGCCTCCCGC	TGCGTGGCCC	180
CCGGGCGACG	GCGCTCGGTT	TTCCCCACAC	GAATGTGGAA	CCTGTGNCCT	GGTGTNACCC	240
TGTAAATTTN	AAGCATCGCA	AGGNGGTGCC	AATGNGCACC	AANNCTGATN	TTCCCCCGGN	300
AGCTTCGNAA	TGAANAGCAN	TTGCCCGGTT	CACAGGGAAC	GGGCANGTTN	GGCTNGGGGC	360
CCNAGGNGAC	GGNCANCCAC	ATNCGGTTCA	NGAAGTTCCT	TGNNCCAANC	TGTTTTNATT	420
TGGAATTCCG	TGNCCCTGGG	GCCCCGGTTN	CGGGCAAATT	CAAACGGNGA	CACAAAGGGT	480
TTTGGŅ						486

### (2) INFORMATION FOR SEQ ID NO:726:

- (i) SEQUENCE CHARACTERISTICS:
  - (A) LENGTH: 428 base pairs
  - (B) TYPE: nucleic acid
  - (C) STRANDEDNESS: double
  - (D) TOPOLOGY: linear

### (xi) SEQUENCE DESCRIPTION: SEQ ID NO:726:

GGCANAGCGT	GNATGAGGAG	CTCNTCTACC	ACAAAGTGAC	GGCAGCCGAG	CTCAGNACCT	60
TGTGTACCCG	CCATGCAACT	GGTTGCTTTT	TNTCAACACC	ATCTTCTACC	CCGTGGAGAT	120
CAATGAAATC	CNAGCCTATT	GTGGTCTATG	AACAAGGGAA	TACCTTGAGC	AGATCTCCAC	180

TCTCATCAAC ACCACCGACA GATGCCTGCT CCAACAACTA CATGATCTGG AACCTGGTGC	240
GGAAAACAAG CTCCTTCCTT GGACCAGCGC TTTCAGGACG CCGATGAGAA GTTCATNGAA	300
GTCATGTACG GGGACCAAGN NGACCTGTTT TTCCTGCGCT GGGAANTTTT GGGTTGATGA	360
ACACAGGAAA ACAACNTGGG TTTTGNTTTG GGGGCCCCAT GTTTTTTCA AAGGAAACCT	420
TTGGNNCG	428
(2) INFORMATION FOR SEQ ID NO:727:	•
<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 154 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:727:	
GGCANAGTCA AATGNGAAGT GGTCACTGAA TCTAAAGGGA AAAAGGNGAT GAATGTCTTT	60
AATGGAGTCA TGGTTTGCAC TGGNCCATCA CACCAATNCT CATTTACCTC TGGGAAAGCT	120
TGCCTGGGAA TTNGGAAAGT NTCAAAGGGN CAGT	154
(2) INFORMATION FOR SEQ ID NO:728:	
<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 314 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:728:	
AACATTCCTC TTCTCTGCCA CCATGACCAA GAAGGTTCAA AAACTTCAGC GAGCAGCTCT	60
GNAAGAATCC TGTGAAAATG TGCCGTTTCC TCTGAAATAC CAGACAGTTG GAAAAATTAC	120
AGCAATATTG ATGATTTTTG ATTCCCTCTG AAATTCAAGG NTACCTNACC TGGTTTATGA	180
TTCTGAAATG NAATTGGCTG GNAAACTCCT TTATGGATAT TCTGCAGCAC CTGTGAATAA	240
TACCCAGING ANCAGCITTG CINACIGCON AAATCITGGG CITGCACIGG CCATGCCCCC	300
	314
TTCCATGGGN GCAA	711
(2) INFORMATION FOR SEQ ID NO:729:	
<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 355 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:729:	
GGCANAGCAA CTTGGTGACC TTTGTGGTAA TGGTGGTTCT CTATGCTCAC ATCTTTGGCT	60
ATGTNCGCCA TAGGNCTATG AGNATGTCTC GGCATAGTTC TGGACCCCGG CGGAATCNNA	120
NNTACCATGN ATGAGTCTTC TGAAGACTGT GGTCATTGTG CCTTGGGGCC TTTATCATCT	180
GCTGGACTCC TGGATTGGTT TTGTTACTTC TAGACGTGTG CTGTCCACAG TGNGACGTGC	240
TGGNCCTNAT GAGAAAATTT CTTTCCTTGC TGCCTTGGNT GAANTTCANC TCTGGNCATG	300
AACCCCATCC GTTTTACTGC TAANCGTGGA CAAAGTTAAT GGAGCGGCCA CTTTT	355
(2) INFORMATION FOR SEQ ID NO:730:	
<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 357 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:730:	
GGCAGAGCGG GAAAGGCGGG ATCGAGGTGG GCCTGAGCCC MNGGATTTGG AGCGAACATA	60
GATGAGAAAC ACTTCCCGAG GTCTCCAGGT NTTNTGGGGA GCCAGGAGGG AAGTAGGGGA	120
TGAGTCCATC TTCCAAACGG AGGGGGAAGG TCTCCCCTTT TTTGGGCTGG GAACCCGGGG	180
GAAGGCAGTG GGCCGGNCTT CTGGAAAGGT CGGCCTGGGA AGGTCTGCCT GGGGTCTGGG	240
GGATGTTCCC GTGGGTTAGA CCCGGCGCG CCCATGTTTC CTCCANTTAN CTAAGATTTT	300
GCCGGCCTTN AAACGTTGTG CTTTCNGTCA AAGANCCAGG GGGTTCCCCA AGGTTAC	357
(2) INFORMATION FOR SEQ ID NO:731:	
<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 274 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:731:	
GGCACGAGCT GTACTCTGGG GCTCTTGGCG GCTGGGTTCT GCCCTGCTGT GCTCTGCCAT	60
TTAACAGCCC ANTTGACGAG GAGAATCTAA CCCAGGAGAA CNATGATCGA GGGACANACG	120
TNGACCTCGN ATTNAGTCCT GCGNCCAACG TGGNACTTCG CTTTCAGCCT GTACAAGCAG	180
THACTICE ACCOCCUES ATTAGAATG TONATOTTOT COCCACTGAG CATOTOCACO.	240

GTTCTTGGCC TTCCTGTCTC TGGGGGNCCA TNAN	274
(2) INFORMATION FOR SEQ ID NO:732:	
<ul><li>(i) SEQUENCE CHARACTERISTICS:</li><li>(A) LENGTH: 387 base pairs</li><li>(B) TYPE: nucleic acid</li><li>(C) STRANDEDNESS: double</li></ul>	
(D) TOPOLOGY: linear	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:732:	
GGCANAGGNT GGGTTTNTGA ACTNCTGNGT TTTTGCTTGC TNCTCTGGAN ATGCAGCGTC	60
TCTTGNCTCC AGTGAAAGCG CATTCTGCAA CTGNACAAGA GNGGTGCAGG GAAACCTCCC	120
TTCACANCTG CTCGCCTGNT CCCAGTCAGC CCACCAAAGG TTTTCTACAG NATCTGNTGT	180
GCCCCCTGGC CAAAACAGAT ACTTGGCCAA AGGACGTGGG CATCCTNGCC CTGGGAGGTC	240
TACTTNCCAG CCCAATATGT GGACCAAACT GACCTGGAGA NGTATAACAA TGTGGGAAGC	300
AGGTAAAGTA TACAGTGGGG TTGGGNCCAA ACCCGTATTG GGCTTTCTTG TTCCAATCCC	360
AAGAGGNCCA TCAAATNNCC TGTGGNC	387
(2) INFORMATION FOR SEQ ID NO:733:	
<ul><li>(i) SEQUENCE CHARACTERISTICS:</li><li>(A) LENGTH: 157 base pairs</li><li>(B) TYPE: nucleic acid</li></ul>	
(C) STRANDEDNESS: double (D) TOPOLOGY: linear	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:733:	
GGCAGANACT GGGTTGGTGA AGATTCCACA TACAAATTTT TTAAGGTTAT CCTCATTAAT	60
CCATTCCATA AAGCTATCAG AAAGAAATCC TGACACCCAG TGGGATCACC AANCAGTGCC	120
ACANGCNCAG GGAGTTNCGT GGGCTGACAT CTGCANG	157
(2) INFORMATION FOR SEQ ID NO:734:	
(i) SEQUENCE CHARACTERISTICS:  (A) LENGTH: 258 base pairs  (B) TYPE: nucleic acid  (C) STRANDEDNESS: double  (D) TOPOLOGY: linear	

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:734:

CTCTCNTNTT CACCACCAGG TACCTGGACC TNTTCACCAA CTTNATCTCC ATCTACAACA

CAGTAATGGA AGGTGGTTTT CNTCCTCTGT GCCCTATGAG AACAGTGTAC ATGAATGTNA	120
TGGGAAAATT CCGTGAAAAN TTTTGAGCAG TGAGGAATGA GCACATTCCG CCTGGNGTTT	180
CTNCTGGTCC CAGTGNATTG GCCTTTGCCT TCCTTGGAAA CTACAGTTTC ACTCTGCTGG	240
GGATCCGTGG GAATTTNN	258
(2) INFORMATION FOR SEQ ID NO:735:	
<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 501 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:735:	
GGCAGAGCCC ATGCATCATG CCTCTGGTCA TGACACTCGT GGCCCTTCCT CACATGAAAT	60
GAGGGGAGGG CCATTAGGAG ATCCCAGACT GCTAATTGGA GAGCCCAGAG GCCCCATGNA	120
TAGATCAAAG GGGTCTACCT ATGGNTGGTA GAGGTGGTAG AGATTNTCGA GCGAATGGAG	180
ACTCGTGCCA TGGAAACTGA AGGTCTTAGA GACACGTGTA ATGGAGAGGA GAGGAATGGA	240.
GACCTGTNCG ATGGAAACCA GAGGGATGGA AGCAAGGGGC ATGGTTGCAA GAGGATTGGA	300
GNTGAGGGGC CCTGTCCCCA GTTCAAGAGG CCCTATGATT GGTGGGAATT TCANGGTCCT	360
GGTCCCATTA TTTTAGGGGC AGTTGGCCCT CCTTCAGGGA NCCCGACAGT TCCCGGGCAT	420
TTTAAGGGTT GGGGNATCTT GGAGGTGGTA TGCAGGTTAC AGGNTNACAG GNACCGGTTT	480
TTAGGGGGCA GTTTTACAAG N	501
(2) INFORMATION FOR SEQ ID NO:736:	
<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 69 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:736:	
AANCCAACAN TAAAATCCCT TCCCTCCAAC ATATGCAAAG ACGTTNTNAC CGNACCTGGT	60
GATATGCTG	69
(2) INFORMATION FOR SEQ ID NO:737:	
<ul><li>(i) SEQUENCE CHARACTERISTICS:</li><li>(A) LENGTH: 337 base pairs</li><li>(B) TYPE: nucleic acid</li></ul>	

(C) STRANDEDNESS: double
(D) TOPOLOGY: linear

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:737:	
GGCAGAGACG GTNCTCACAT TCTCCCCANA GGCCGANATG CGGGTAATGG CGCCCCGAGC	60
CCTCCTCCTG CTGCTCTCGG GANGGCCTGG CCCTGAACCG AAACCTGGGC CCTGGCTCCC	120
CACTNATNTG AGGTATTTCA ACACCGCCGT TCCCGGCCCG GTNCGCGGAG AGCCCCGCTT	180
NATCTNANTG GGCTACGTGG ACGACAGTCA TTTGTGCGGT TTCGACAGGA ACGCCGNGAG	240
TTCCGAGAAG GGGAGCCGCG GGTCTCGTTG GGTGGGAGCA GGAGGGGNCG GAGTATTTGG	300
AANCNGGGAG GACAACAGNA GTTACAAGNG CCCAGGT	337
(2) INFORMATION FOR SEQ ID NO:738:	
<ul><li>(i) SEQUENCE CHARACTERISTICS:</li><li>(A) LENGTH: 70 base pairs</li><li>(B) TYPE: nucleic acid</li></ul>	¥
(C) STRANDEDNESS: double (D) TOPOLOGY: linear	
	•
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:738:	
GGAANAGAAT GGTCTGCACC ANTAAAACCA GGNGCACCCA CACCCTGGAA CCTCTCCANG	60
AAGACTCTCG	70
(2) INFORMATION FOR SEQ ID NO:739:	
<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 277 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
(D) TOPOLOGY: TIMEAL	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:739:	
CAGCAAGACG TCCCAANTAA GTTTAAGTAT AAGGAAGGCA CTCTNAAGGT CGCGCCAGAC	60
TGGGCAAGAC CTCAAANAGG AGCATCCTGG GTCGGCTACA CTGCCCCCTT CCTTGAATNC	120
	180
ACTCTGCCTG TTTANNAACC TGGGAGTGCT GGNCACCCTG CAGCAGTNCA GCGAATGGAG	
CTTCATGCAG GCTCTATNCT GTGAACCTGT GAAGCCCTTT GCCTGGCCCA GGTNGACAGC	240
TTTANGTATT TGAAGGNTCA GGGGTGGAGT NAGGCTG	277
(2) INFORMATION FOR SEQ ID NO:740:	
(i) SECUENCE CHARACTERISTICS:	

<ul><li>(A) LENGTH: 68 base pairs</li><li>(B) TYPE: nucleic acid</li><li>(C) STRANDEDNESS: double</li><li>(D) TOPOLOGY: linear</li></ul>	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:740:	
TGAGCCTAGG NGCTAGGTTG CAGTGAGCCA GATGGCCCAT TGCACTCTAG CCGGGCAGCA	60
GGCNGACC	68
(2) INFORMATION FOR SEQ ID NO:741:	
<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 158 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:741:	
AGGAGCTGTC GGGAAGATCA GAAGCCAGTN AGGATGACCA GCGCGACCTT ATCTCCANCA	. 60
ATNAGCAACT GCCATGCTGG CCGGCGCCTG GGGCCCGGAA GAGCAAGTCC AGCGCGGANC	120
CTTGTACACA GCTTTTCCAN CTGGTGACTT NCTCTCGN	158
(2) INFORMATION FOR SEQ ID NO:742:	
<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 386 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:742:	
GGCAGAGNCT TGCTCTNCCC AAATTAAATT TGCAGTTTTT AACTCTTNAT GACTACCTGC	60
TAAGTGACTT TAACCTCTTC CGCTTAGAAT CAACTTATGA AATTCGTCAG GACATTGAAG	120
ATAGTGTCAG CAGAATGAAG CCATGGCAAT CTGAAATATG GCGGTGTAGT GTTTGGTGGT	180
TGGGCGCGAA TGGCCCAGCC CATTGTGGCT TTNACTGTCG TAGNAAGTGG CCAAACCCAA	240
CATAGGTGAA AACTGGCCAA CCCGAGTTCG TGCCAGATGT TACCATAAAT CTCCAATGTC	300
CAGAGATCCA CATCAAAGNT GANTGGGAAG GNCTTCGTNA GCATGATGTA TGCTTTTTAA	360
ATTACCGTAC GNTCCCACAA AACCTT	386
(2) INFORMATION FOR SEQ ID NO:743:	
(;) SPONENCE CHARACTERISTICS:	

(A) LENGTH: 375 base pairs(B) TYPE: nucleic acid(C) STRANDEDNESS: double

(D) TOPOLOGY: linear (xi) SEQUENCE DESCRIPTION: SEQ ID NO:743: GGCANAGGET TGCTGCTGGG GAAGATCTGG AGGTCCAAGT GCTGCANGGC ATCTCTGGGA 60 AGAGCCAGAT CCTGTTTGCT CTCGTCTTCA CCACCAGGTA CCTGGACCTG TTCACCAACT 120 TCATCTCCAT CTACAACACA GTAATGAAGG TGGTTTTTCT CCTCTGTGNC CTATGTTACA 180 240 GTGTACATGA ATATATGGGN AAATTCCGTA AAACTTTTGT ACAGTGNAGA ATGAACACAT TCCGCCTGGG AGTTTCTTCT GGTCCCAGTT CATTGGCCTT TTCCTTCCTT GAAAACTACA 300 GTTTTCACTC TGCTGGGAGA TTCCTCTGGA CTTTTTCTAN GCTATNNGGG AATTCATGGG 360 375 NNATCCTGTC CCCAG (2) INFORMATION FOR SEQ ID NO:744: (i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 157 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: double (D) TOPOLOGY: linear (xi) SEQUENCE DESCRIPTION: SEQ ID NO:744: TCGGACGAGT CATGGGCTCC CGNAACAAAC GTGAGGNCTG NCAGNGTCAA ATTTACCCTN 60 GTCCAAGATC CGCAAGTCCG CCCGATGAAC TGACTGACGC TTGATGAGGA AGGNCCCACG 120 157 GCGTCTNGTC GAANGCAACG GCCTGTCTAN CGGAGGG (2) INFORMATION FOR SEQ ID NO:745: (i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 339 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: double (D) TOPOLOGY: linear (xi) SEQUENCE DESCRIPTION: SEQ ID NO:745: GGCANAGCTA CAACCAGCTG AGCCGTGCCG TGCGTAACTG GCGCGGCNCT TGCCCAACCT 60 GCCCGAACGC AACCAGTTCC GCGTGCCNCT TCGGCCGGCT GCTGGACAAG CTGTATGCTC 120 TCGGCTTGGT GCCCACGCGC GGTTCGCTGG AGCTCTGCAC TTTNCGTNAC GGCCTCGTCC 180 TTCTGCCGCC GNCGGCTCCC CACCGTGCTC CTNAAGCTGC GCATGGGGAA CNCTTTCAGG 240

$\cdot$	
GCTGCCGTGG CCTTTTTGGG AGCAAGGGCA CGTAACGTTT TGGGGCCCTG AACGTGGGTT	300
TACCGAACCN CGGNNTTTTC CTTGTTNAAG GGGGNAAAT	339
(2) INFORMATION FOR SEQ ID NO:746:	
<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 358 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:746:	
AGGCCTGTAC TACCACCGGT ACCTCCAGGA GGTCATCGAT GTACTGGAAG ACGGATGGGC	60
ATTTCCAAGA GAAGCTGCAG GCTGCGCAAT GCGGAGGAAC ATCANGAAGC GGGAAAGCTG	120
AGCCGAGAGC TGGNACTTTN TNAGCCACCA CGTCCGCACC AAGCTGGNAT GAGCTTCAAG	180
CGANCAGGTA GGTGTTCACG GACTGCGGAT GTTTGCTTCA AGGCCAAGNA TGGACGCCGA	240
GCAGGGATCC CAATGTGACA GGTGGNATTC ATCTGGAATC TGCCTGGAAA CAGTTTTGGA	300
ACACCTGGNA CCCTTCAGGA ACCAGCATAC ATTTCGAGNG CCCGNGAACC TGGNAGTT	358
(2) INFORMATION FOR SEQ ID NO:747:	
<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 306 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:747:	•
GGCAGAGCTC AGACATGCAA GANGTCATTG GCTCANCCAT TGCTATCAAT CTCCTGTCTG	60
NAGGAAGAAT TCCTCTGTGG GGTGGCGTTC TCATCACCAT TGCAGATACT TTTGTATTTC	120
TCTNCTTGGA CAAATATGGC TTGCGGGAAG TAAGNNAGCA TTTTTTGGCT TTCTCATCAC	180
TATTATGGCC CTCACATTTG GNATATGAAG TATGTTACAG TGAAACCCAG CCAGAGCCAG	240
GTTACTTCAA GGGNCATGTT CCGTNACCAG GCTGTTTCAG GCTGTTCGNA ATTCCACAGA	300
TTGNAN	306
(2) INFORMATION FOR SEQ ID NO:748:	
(i) SEQUENCE CHARACTERISTICS:  (A) LENGTH: 454 base pairs  (B) TYPE: nucleic acid  (C) STRANDEDNESS: double  (D) TOPOLOGY: linear	

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:748:	
GGCANAGCCA CTGTCTCCTT TACCACAGGG AATATGTCAG TGGATTTGGA AAAGCTATGA	60
GGATGCCCAT GTGGAGTTCA TACACAGTCC CCCAGTTGGG AGACACATCG CCTCTGCCTC	120
CCACTGTCCC AGACTGTCTG CGGGCTGATG TCAGGGTTCC TCCTTCTGAG AGCCAAAAAT	180
GTTCCTTCTA TTTAGCAGAC AAGAATATCA CCCACGGCTT CCTCTATCCT CCTGCCAGCA	240
ATAGAACATC AGATAGCCAA TATGGTGCTT TAATTACTAG CAATTTGGTA CCTATGTATG	300
AAGAATTTCA GAAAAATGTG GGACTACTTC CACAGTGGTN CNTNTTGANA AAACATGGCC	360
ACAGAAAGGA AATGGNGTTA AATGTGGGTT TAGTGGGACC ATNATTTGGG TTNTAATTAT	420
GATGGGNCNT TTGGTGTTCC AGTGAATTTA CCAA	454
(2) INFORMATION FOR SEQ ID NO:749:	
(i) SEQUENCE CHARACTERISTICS:	
(A) LENGTH: 241 base pairs	
(B) TYPE: nucleic acid (C) STRANDEDNESS: double	
(D) TOPOLOGY: linear	
A 11 GROUPING PROGRESSION GEO. ID NO. 749.	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:749:	
GGCACGAGCC GCCTGCAGGG AGGAGAATGT ACCCCACTGG NACCTGNAGC TCCTGGTCCC	60
TCAGCCAAGA CCTGAANGNG TCCCCAGCCA GCCTGCTGCT GGGGACCCTG TGGCTTGCTG	120
TCAGTGTATG GGGCCTCTTG GCCTTCCCCT GGGGAAGTTC ACCCNTGTTA CCCCAGCTTG	180
CCTTGCCCCT GGGNCCTTTT NCTGGGCCCC AGTGNCTTCC TGCCTTTGAC ATNAGAACTT	240
G	241
(2) INFORMATION FOR SEQ ID NO:750:	
(i) SEQUENCE CHARACTERISTICS:	
(A) LENGTH: 150 base pairs	
(B) TYPE: nucleic acid (C) STRANDEDNESS: double	
(D) TOPOLOGY: linear	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:750:	
CCACCTGGTN CTGCAAGGAC CAAGNGGTCT GTCCATTCAA GGAATGCCCG GAATGCCAGN	60
AGAAAAAGGA GAGAAAGGAG NTACTGGNCT TCCAGGTCCA CAGGGTATCC CAGGAGGCGT	120
TGGTTCACCA GGNACGTGAT NGGCTCACCA	150

TGGTTCACCA GGNACGTGAT NGGCTCACCA

#### (2) INFORMATION FOR SEQ ID NO:751:

## (i) SEQUENCE CHARACTERISTICS:

(A) LENGTH: 498 base pairs

(B) TYPE: nucleic acid

(C) STRANDEDNESS: double

(D) TOPOLOGY: linear

## (xi) SEQUENCE DESCRIPTION: SEQ ID NO:751:

•						
GGCAGAGGTA	CACGTGCCTC	GAGCTGCCAC	CTCCGGAGTG	GGGCTGGAGA	ACGGCATCCC	60
ACGGGGACCT	GATCCGGGGC	ACGGTGCTCA	CCTACCAGTG	CGAGCNTGGC	TACNAGCTGC	120
TAGGCTCCGA	CATTCTCACT	TGCCAGTGGG	ACCTGTNTTG	GAAGCGCCGG	CCGCCCGCNT	180
GCCAAAAGAT	CATGAACTTG	TGCTGACCCT	GGCGAGATTN	CCAACGGGCA	CCCCACNGCC	240
TTCGGAACGC	CGGCTTCCCC	GTTGGNTCCC	ACGTTNCAGT	ACCGCTGCCT	GCCAAGGTTA	300
CAGCCTTCGA	GGGGCAGCC	ATGTTCACCT	GNTTACAGCC	GGGGACAAAG	GCACANCCAA	360
TGGNAGNATT	AGGGTTCCCC	AATGGGGCTT	TGAATAAGGA	GCCTNGCCTT	AAACCGGGGG	420
TTNCGAGAAT	GGTTACCAAA	GTTTTANAGA	ACATTACCAG	GGGGGGATTT	TTGGGTTTTT	480
NTGNTATTAG	GGTTTTAG				•	498

## (2) INFORMATION FOR SEQ ID NO:752:

#### (i) SEQUENCE CHARACTERISTICS:

- (A) LENGTH: 473 base pairs
- (B) TYPE: nucleic acid
- (C) STRANDEDNESS: double
- (D) TOPOLOGY: linear

#### (xi) SEQUENCE DESCRIPTION: SEQ ID NO:752:

GGCAGAGGNN	NNCACCCACA	TTACCTGCTT	TCTTCTTGGG	TAGCTTGTCC	ATCAGCTCCA	60
CCCCTTGTGA	ACACCTTTCT	GAAAGCTGGA	GGGCTGGGAG	AAGGGGGTTG	TATTCATCAA	120
TGGCCAGAAC	CTTGGACGTT	ACTGGAACAT	TGGACCCCAG	AAGACGCTTT	ACCTCCCAGG	180
TCNNCTGGTT	GAGCAGCGGG	AATCAACCAG	GTGCATCGTT	TTTGAAGGAG	ACGATGGCGG	240
GGCCCTGCAT	TACAGTTCAC	GGGAAACCCC	CCACCTGGGG	CAGGAACCAG	TACATTAAAG	300
TGNAGCGGTG	GCACCCCCTC	CTGCTGGTGC	CCATGGGAGA	CTGCCGGCTN	CTNTTGACCT	360
GAAAGNCTGG	TTGGTTGTTG	CCCCAACCTT	CATTGCAAAA	GCATTTNCTT	AANTAGNAAC	420
TTCAGGGATT	GGGGGTTAAA	ATTTGCCCTG	TTTTAGTTNA	AAACCTAAGC	TTN	473

(2) INFORMATION FOR SEQ ID NO:753:

(i) SEQUENCE CHARACTERISTICS:

(A) LENGTH: 434 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: double (D) TOPOLOGY: linear (xi) SEQUENCE DESCRIPTION: SEQ ID NO:753: GCACCCCAAC ATCGACACGG CCAGTTTNTT CCGCTGGCGG CATCAGGCCC GGGTGGAACG 60 120 CATGGNGCAG TTCCAGAAGG AGAAGGAGGA ACTGGACAGG GGCTGCCGCG AGTNCAAGCG CAAGGTGGCC GAGTGCCAGA GGAAACTNAA GGAGCTGGAG GTNGCCGAGG GCGGCAAGGC 180 AGAGCTGGAG CGCCTGCAGG CCGAGGTACA GCAGCTNCGC AAGGTGGAGC GGNGTGGGNA 240 300 GCAGAAAGCT GNNAGGAGAT TGCGCAAGAT AGGNGNAAGT AGCATGCCCT GGTAACGTGG GACANGCTTC NGCAAAGACG GCTTTCAGCA AAGAGCCATG GTTAAATTAC CAAGCCCCNG 360 TAAGTACGGT GGTAGGNATT CAAAGGTGGT NTAGGGTAGC CAGAAACACA AGGACTTTCT 420 434 TGGNAAANAT TACG (2) INFORMATION FOR SEQ ID NO:754: (i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 375 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: double (D) TOPOLOGY: linear (xi) SEQUENCE DESCRIPTION: SEQ ID NO:754: GGCANAGGNA CTGTAAAAAT GAAAGTCCTA ATGGGAAACC CTCTTCTCCC CACACCCCAG 60 TTGTTGGGCT CAAGTCTGCT CTGNAGTCCT GATCTCCCTT GAATTGAGTC TCAGCATCTT 120 CNNGTTGCCT CCACCTGCTC GTCTGTNAAT CCCATTCCCT GCAGACAGTG GAACAAAGTC 180 -ACTGGTAATC TTCCTCATTG CCCTGGGACT GCTCCCAGAC ACAGCTATTT GGGACCCAGA 240 TCTTCCCCAC CAAGCCATGG GCGANATCTT GTTGAGTAAG AGTTTCAGTC CTGGGGTCTT 300 ATTTCCCCCA AACGTGGTAG GGGATCTTGG ACCCNNATGT CTCTGNTTTT TTCCTAAGGN 360 375 CACAGAGGNT GTGGG (2) INFORMATION FOR SEQ ID NO:755: (i) SEQUENCE CHARACTERISTICS:

(A) LENGTH: 301 base pairs(B) TYPE: nucleic acid(C) STRANDEDNESS: double(D) TOPOLOGY: linear

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:755:	
GGCAGAGCAG AGTTTGACAG GGAGATAGAC CGGGGATCCN GGANCCCTTN TNAACAGCTG	60
TTTGAGAAAG ATGGTCAGTG GCATGTACTT GGGAAGAGCT GGTTCGACTG ATCCTAGTCA	120
AGATGGCCAA GGAAGGGCCT CTTATTTGAA AGGGCGGATN ACCCCGGAGC TGCTCACCCG	180
AGGGNNAGTT TAACACCAGT GAATGTGTCA GCCATCGAAA AGAATNAAGG NAGGCCTCCA	240
CAATGCCAAA GAAATCCTGG ACCCNNCTGG GAAGTTGGAG CCNTTCCGAT TGATGGACTG	300
T	301
(2) INFORMATION FOR SEQ ID NO:756:	
<pre>(i) SEQUENCE CHARACTERISTICS:     (A) LENGTH: 380 base pairs     (B) TYPE: nucleic acid     (C) STRANDEDNESS: double     (D) TOPOLOGY: linear  (xi) SEQUENCE DESCRIPTION: SEQ ID NO:756:</pre>	
ACCCTCCTTT CCTGCAGCTC CAGCTTTNTG CTCTGCCTCT NAAGGAGACC ATGGCCCAGC	60
ATCTAANTAC CCTGNCTGCT CCTGCTGGCC ACCCTAGCTG TGGCCCTGGC CTGGNAGCCC	120
CAAGGAGGAA GATAGGATAA TCCTGGGTGG NCATCTATAA ACGGCGAACC TNCAATGAAT	180
	240
GAGTGGGTAC AGCGTGCCCT TGNACTTCGC CATCAGCNAG TNATGAACAA GGNCCACCAA	300
AGATGGACTT ACTNACAGAC GTCCGNTTGC GGGTTACTTA AGAGCCAGGC AACAGACCGT	
TGGGGGGGGT GAATTAATTN TTCGACGTGG AGGTNGGCCG AACCTATGTT ACCAATTCCC	360
ANNCCAATTG GGACAANGTG	380
(2) INFORMATION FOR SEQ ID NO:757:	
<ul><li>(i) SEQUENCE CHARACTERISTICS:</li><li>(A) LENGTH: 335 base pairs</li><li>(B) TYPE: nucleic acid</li><li>(C) STRANDEDNESS: double</li><li>(D) TOPOLOGY: linear</li></ul>	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:757:	
TTTTGCCCGG TTGGGATTGT NATGGGTTGC CCATTGAAAT AAAAGTATTA TCAGAACTTG	60
GTAGAGAAGC TCAGAATCTT TCAGCTATGG AAATTAGANN GAAAGCTAGA TCATTTGCTA	120
AAGCAGCCAT TGAGAAACAG AAATCAGCAT TTATTCGTTG GGGAATAATG GCAGATTGGG	180

AAGCAGCCAT TGAGAAACAG AAATCAGCAT TTATTCGTTG GGGAATAATG GCAGATTGGG

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AATAATTGGC TACTATGACA TTTGAATGGG NAAGTNTGAA GCCAAACAGT TGAGAAACTT	240
TTTACCAAAT GTATGATAAG GGCTTGGTTT ATCGTTCTTA CAAACCTGTN TTTTGGNCTC	300
CGTNCATCTA GGACGNCATN GGCTGAAGCA GAACT	335
(2) INFORMATION FOR SEQ ID NO:758:	
<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 331 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
750	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:758:	
AGTAGAAAAA TCAACAGAAC AAAGGAAGAG TATGGCTCCT GAACCTACAC AGAGCTCTAC	60
AGTAGTCGCA TCTGCCCAGC AAGTGAAGAC AACGCAAACT TCAAATGCTC CTGAATGTAA	120
ATGAATGCAA TTNTGAAACT GATTCCAATG AATTTTGAAT GTTAAGGGAA ACCTCCCATC	180
CATTTAGTGG ATTTCTNCAT CTAGATCTAC ACATATGTGA ATGACATTGC ATGGCTAAAA	240
GAAAAAGAGT CCAAACAGAC GTATTACTGG AGGGGCCAAT GCCAACTTNT CTTTTNACAC	300
AGCTAACTAT AGGNTTATTT NTNCCTTATC C	331
(2) INFORMATION FOR SEQ ID NO:759:	
<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 393 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:759:	
ACTGTGGACA TGATGTATGG TGGCATGAGA GGCATGAAGG GATTGGTCTA TGAAACATCA	60
GTTCTTGATC CTGAATGAGG GCATNCGTTT CCGAGGCTTT AGTATCCCTG AATGCCAGAA	120
ACTGCTACCC AAGGCTAAGG GTGGGGAAGA ACCCCTGCCT GAGGGCTTAT TTTGGGCTGC	180
TGGTTAACTG GGACATATCC CAACAGAGGA TNAGGTATCT TGGGCTCTTC AAAAGAGTGG	240
GCAAAGAGGG CAGCTCTGCC TTNCCATGTG GTNNACCATG NTGGGACAAC TTTCCCACCC	300
AATCTACACC CCATGTTTTC AGCTCAGTGT CAGTGTTTAC ANCCCCTTCA ACATGGAAAG	360
TTAACTTTNN CCCGNGCATT ATGGCACCAG GGN	
	393
(2) INFORMATION FOR SEQ ID NO:760:	393

(A) LENGTH: 364 base pairs(B) TYPE: nucleic acid(C) STRANDEDNESS: double(D) TOPOLOGY: linear

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:760: 60 GGCANAGGAT TTTGTGCCCG GCTGGGATTG TCATGGGTTG CCCATTGAAA TAAAAGTATT ATCAGAACTT GGTAGAGAAG CTCAGAATCT TTCAGCTATG GAAATTAGAA AGAAAGCTAG 120 ATCATTTGCT AAAGCAGCCA TTGAGGAAAC AGAAATCAGC ATTTATTCGT TGGGGAATAA 180 240 TGGCAGATTG GGAATNAATT GCTACTATAC ATTTGATGGG GAAGTATGAA GCCAAACAGT TGAGNAACTT TTTACCAAAT GTATGATAAG GGCTTGGTTT ATCGNTCTTN ACAAACCTGT 300 GTTTTTGGTC TCCGTGCATC TNAGGGACTG CCATTGGGCT GGAAGCAGAA CTTGNATTTN 364 ATCC (2) INFORMATION FOR SEQ ID NO:761: (i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 417 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: double (D) TOPOLOGY: linear (xi) SEQUENCE DESCRIPTION: SEQ ID NO:761: 60 AAAGCTATGA GGATGCCCAT GTGGAGTTCN TACACAGTCC CCCAGTTGGG AAGACACATC GCCTCTGCCT CCCACTGTCC CAGACTGTNT GCGGGCTGAT GTCAGGGTTC CTCCTTCTGA 120 GAGCCAAAAA TGTTCCTTCT ATTTAGCAGA CAAGAATATC ACCCACGGCT TCCTCTATCC 180 TCCTGCCAGC AATAGAACAT CAGATAGCCA ATATGAATGC TTTAATTACT AGCAATTTGG 240 TACCTATGTA TGAGGAATTC AGAAAAATGT GGGACTACTT CCACAGTGTT CTTCTTATAA 300 -AACATGCCAC AGAAAGAATG GNGTAAATGT GGTTAGTGGA CCATATTTGN TTATAATTAT 360 GGTGGGCCAT TTGNNGCTCC CGATGGAATT ACCCAACCTT TGGGCCAACA NGGTGTT 417 (2) INFORMATION FOR SEO ID NO:762: (i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 352 base pairs (B) TYPE: nucleic acid

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:762:

(C) STRANDEDNESS: double
(D) TOPOLOGY: linear

TTAAGAGTTC CCAGAAATAC ATTTGCCACC AACAGAGTAG CCAAATTTAT AAGGAAAAAT	60				
GATTCCCAAT GGATATTTGA TGTTTGAGGA TGAAAATTTT ATTGNGTCTT CTGTTGCCAA	120				
ATTAAATGCC CTGAGGAAAA GTGGCCAGTT CTGTGAATGT TCGACTTCAG GTCTGTGGCC	180				
ATGAANGTTA GCACACAGAG CAGTGCTAGC TTGCTGCAGT CCCTATTTAT TTGGAAATCT	240				
TTAATAGTGA TAGTGGTCCT CATGGAATTT CTCACGTTGA AATTTTGATG ATCTCAATCC	300				
CAGANGCTNG TTGGAAGTCT TGGTTGGNAT TNTGGCCTAC ACTGNTCCAG TT	352				
(2) INFORMATION FOR SEQ ID NO:763:					
<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 313 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>					

## (xi) SEQUENCE DESCRIPTION: SEQ ID NO:763:

GGCANAGCTC GGCATGTGNC GGGAACCTGA GGGACTTGTC GGGCCTCAAT NATCTGCTCA 60

ACGTGCTGCA GAGCCTGCTG CTCCCGTTCG CCGTGCTGCC CATCCTCACG TTCACCAGCA 120

TGCCCACCCT CATGCAGGAG TTTGCCAATG GCCTGCTGAA CAAGGTCGTC ACCTCTCCA 180

TCATGGTGCT AGTCTGCGCC ATCAACCTCT TACTTCGTGG TCAGCTATCT GCCCAGCCTG 240

CCCCACCCTG GNCTACTTCG GCCTTGCAGC CTTGCTGGCC GCAGNNTACC TGGGCCTTAG 300

NACCTNACCT GGT 313

#### (2) INFORMATION FOR SEQ ID NO:764:

- (i) SEQUENCE CHARACTERISTICS:
  - (A) LENGTH: 412 base pairs
  - (B) TYPE: nucleic acid
  - (C) STRANDEDNESS: double
  - (D) TOPOLOGY: linear

#### (xi) SEQUENCE DESCRIPTION: SEQ ID NO:764:

GGCACGAGAG	AGAAAATCAT	CAAAGAAGAT	TCTTTGGGGA	TCCTCTTCCC	TTTTAGAGAC	60
CGGGGTAAAT	TTAAAAACAC	TGCTTGTAAC	ATTTGTGGCA	AAACATTTGC	TTGTNAGAGT	120
GCCTTGGNAC	ATTCACTATA	GAAGTCATAC	CAAAGAGAGA	CCATTTATTT	GGCACAGTTT	180
GCAATCGTGG	CTTTTCCACA	AAGGGTAATT	TGAAGCAGCA	CATGTTGACA	CATCAGATGC	240
GAGGTNCTGC	CATCCCAGCT	CTTTGAGCCC	AGTTCCAACC	TTGGCCCCAN	TCAGAACTTC	300
AGCGGTGATT	TCCCGNCAAN	TCGTTGTTCA	TCTCTTCATT	CAAGACAGAG	GGTCCAACGG	360

GNTTTCGTGG CCAGTTTTTT TCCNCCAGGG CCCGTTAAAG GGCCANCCCC CA	412
(2) INFORMATION FOR SEQ ID NO:765:	
<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 350 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:765:	
TTGTGCCCGG CTGGGATTGT NATGGGTTGC CCATTGAAAT AAAAGTATTA TCAGAACTTG	60
GTAGAGAAGC TCAGAATCTT TCAGCTATGG AAATTAGAAA GAAAGCTAGG ATCATTTGCT	120
AAAGCAGCCA TTGAGAAACA GAAATCAGCA TTTATTCGTT GGGGAATAAT GGCAGATTGG	180
GAATGAATTG CTACTATACA TTTGAATGGG AAGTATGAAG CCAAACAGTT GAGAACTTTT	. 240
TACCAAATGT GATGATAAGG GCTTGGTTTT ATCGATCTTG ACAAACCTGT GTTTTGGNTC	300
TCCGTTCATC TGAGGACTGN CATTGGGCTG GAAGCCAGGA ACTNGNAATN	350
(2) INFORMATION FOR SEQ ID NO:766:	
<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 402 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:766:	
GGCACGAGCC AAAGGCCATG TACTCTGCGG GCAGGATGTG GAGAGGGGCA CATTCAGTNA	60
CCGGCACCAT GTTCTCCATG ACCAGGAGGT TGACCGCAGA CGTGTGTNCC TATAANTCAT	120
CTCTGGCCTG ACCAGGCCCC GTACACCGTG TGCAANAGCT CCCTCTCGGA GTACGGAGTC	180
CTGGGCTTTA AGCTGGGCTA TGCCATGGCC AGCCCCAATG CCCTGGTCCT CTGGNAGGCC	240
CAGTTTGGGG ACTTCCACAA CACGGCCCAG TGCATCATCG ACCATTCATC AGCACCGGCC	300
AGGCCAATGG GTGCGGCATA ATGGCATTGT GCTGCTGTTG CCCCCTGGGA TGGAAGGCAT	360
GGGCCCAGNG CATTTTNAN GAAGGCCNNA AGTTTCTGCA GT	402
(2) INFORMATION FOR SEQ ID NO:767:	
<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 504 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	

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(xi)	SEQUENCE DES	SCRIPTION: S	SEQ ID NO:76	57:		
GGCAGAGCCI	CTCCGCACCA	CCTCAGCGGG	CAGGAGGTCC	CACCATGTGN	ACAGACATAG	60
CCCAAGGAGG	CACCACAGGT	CTATGTGTGC	TGGGGGATGT	NAGGTGCCAC	CCAACGCTGT	120
CCTGGTGGTA	TTTACAATGA	ACATCCTCCT	CCTCCATCAC	TCCAGGGGTG	GTGTCTCGGC	180
CGCCCCTACC	AGCTGGCTGA	GCCCCTGGC	CTCCTGCGNT	TCCCTCACTT	CCCTCAGTTC	240
CCAAAGCTGC	CCAGTCCATG	GGGGACAGAA	CCGTNACTCA	GANTCCACAT	TCAAGTGTGG	300
CCCACCCTGC	AGTCTTCATC	CTTCATTCAG	CTGCTGCCTT	NTGGAGGTGN	CTTTTGGGCC	360
ACATGTGCTG	TGGTGTTTGT	TTTCCTNGGA	CAGGAGNCTT	TTCCANCAGN	AGGTTGGGTT	420
CCANGGGTGC	GTTTGAAATT	CTTCCTTTGG	GANCTTGGTT	TTCCGGNGAA	CTTTCTTTGG	480
GGCCTGTTTA	AGAAGGTGGT	GCNG				504
(2) INFORM	MATION FOR S	EQ ID NO:768	3:			,
(i) S	EQUENCE CHAI  (A) LENGTH:  (B) TYPE: no  (C) STRANDEI  (D) TOPOLOGY	360 base pa ucleic acid DNESS: doub	airs			

## (xi) SEQUENCE DESCRIPTION: SEQ ID NO:768:

GGCANAGCAA AGAGAGAGG TCGGGTACTT CAAGAAGAAA TGAAAGAAG GACAGACATG 60
TTCATCATCA AGGCTGTNCT GCCTGTTGCT GAANCTTTGG TTTTCCTGAT GAAATCAGNA 120
AGAGGACAAG TGGCCTGGCC AGCCCACAAC TAGTATTCAG CCATTGGGAG ATCATTCCCA 180
GTGAACCCCT TCTGGGTGCC AANNACTGAG GAGGAATACT TGCACTTTGG GGAGAAGGCT 240
GACTCTGAGA ACCAAGCCCG GAAGTACATG AACGCATACG GAAAGCGGAA GGGGNTTTTA 300
TGTTGGAAGA AAAGNTTTTG GGGCATNCCA GAAAAAGCCA GGGGNCCCTT NGGCAAAAATT 360
360

#### (2) INFORMATION FOR SEQ ID NO:769:

- (i) SEQUENCE CHARACTERISTICS:
  - (A) LENGTH: 381 base pairs
  - (B) TYPE: nucleic acid
  - (C) STRANDEDNESS: double
  - (D) TOPOLOGY: linear
- (xi) SEQUENCE DESCRIPTION: SEQ ID NO:769:

•			
GGCAGAGGCT CCAACGGCTT CTCAGACCCC TACGTCAAGA	TCTACCTGCT	GCCTGACCGC	60
AAGAAAAAGT TTCAGACCAA GGTGCACAGG AAGACCCTGA	ACCCCGTNTT	CAATGAGACG	120
TTTCAATTCT CGGTGCCCCT GGCCGAGCTG GCCCAACGCA	AACTGCACTT	CAGCGTCTAT	180
GAACTTTGAA CCGCTTCTCG CGNCAGGACC TCATCGGNCA	GGTGGTGCTG	GACAACCTCC	240
TGGAGCTGGT CCGAGCAGCC CCCTGACCGN CCGNTCTGGA	GGGGACATCG	TGGAGGGCGG	300
CTTCGGGAAA AAGCAGATCT TGGGGAGCTT CNNCTTNTGC	ACTNTGGTTA	CCTNCCCAAG	360
GGCCGGGGG CTTCACCTGG A		· .	381
(2) INFORMATION FOR SEQ ID NO:770:			
<ul><li>(i) SEQUENCE CHARACTERISTICS:</li><li>(A) LENGTH: 486 base pairs</li></ul>			
(B) TYPE: nucleic acid (C) STRANDEDNESS: double			
(D) TOPOLOGY: linear			
		•	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:7	70:		•
GGCAGAGNAG CAGGCACTGG NGGAGGGGGC TTNAAGGAGG	GAGTGCCCCC	TCAAACTCCC	60
TGCTTCCCTG GANCTTCAGG NAAGCTCAGC CTCAGCCTTC	AGGCCTGAGC	AAGTGCAGGG	120
CGGANTAACC AGCCCAGGTT CAGATGTTGG GGTGTGAAAG	CCTCAAGTGA	ACTCAGCCTG	180
GTTGGAGAAC TGCCCCACCC AGTATCTTCT GTGCCATGGT	TCCCACATTC	GCACTCCATG	240
GCCTCCTGTC CTGGNACCCC ACGTTTTGNA ANGTAAACCC	TAGGNACCAT	GGGATTACCT	300
CTGTGAATTC ACGNTTGAGC CCAAGTTCCC CACAATGGAA	AACTGGGGAA	ATGGCCAGTT	360
GTGTGTTCCC AGGAATTNCT TCCCTTANTG TTNCCTTGAA	GTGCCCGAGC	ATGTAGGGCA	420
AGAAGGAAGG TTGAAGCGTT TTCCTAGGNG GAATTTTTCC	TTCAGGGGGG	CTCNATTTTT	480
GNCCAT			486
(2) INFORMATION FOR SEQ ID NO:771:			

- (i) SEQUENCE CHARACTERISTICS:
  - (A) LENGTH: 490 base pairs
  - (B) TYPE: nucleic acid
  - (C) STRANDEDNESS: double
  - (D) TOPOLOGY: linear

## (xi) SEQUENCE DESCRIPTION: SEQ ID NO:771:

GGCAGAGNCA ACGNGNGNCT TCCTGGAGAG CAGCAACAGC ACGGACTACA TTGCCATGCA 60

CGACGTTGAC CTGCTCCCTC TNANCGAGGA GNTGGACTAT GGCTTCCTG AGGCTGGGNC 120

	•		
CTTTCACGTG GCCTTCCCGG AGCTCNACCC TCTCTACCA	C TACAAGACCT	ATGTCGGCGG	180
CATCCTGCTG CTCTCCAAGC AGACTNACCG GCTGTGCAA	T GGGATGTCCA	ACCGCTTCTG	240
GGGCTGGGGC CGCGAAGGAC GGACGAGTTC TACCGGGGG	C ATTAAAGGGA	GCTGGGNTTC	300
AGCTTTTTTT CCGCCCCTCG GGGAATTCAC AACTGGGTN	A CAAGACATTT	TCGCCAACTG	360
NCACGANCCA GNCTGNTGGA AGAGGGACCA GAAGCGCAT	T GNAGTTCAAA	AACAGGNGCA	420
GTTTCAAGGT GGACAGGTNG GGAAGGCTGA ACATNTTAA	G TTACCATGTT	GGTTTTCCGG	480
ATTGCCTGTT			490
(2) INFORMATION FOR SEQ ID NO:772:			
<ul><li>(i) SEQUENCE CHARACTERISTICS:</li><li>(A) LENGTH: 467 base pairs</li><li>(B) TYPE: nucleic acid</li><li>(C) STRANDEDNESS: double</li><li>(D) TOPOLOGY: linear</li></ul>			
	550	<u>.</u>	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:			
GTGTGGGGTG CCGNGGTGAC CGNAGNCAAA NAGGNGGTT		•	60
GGGAGAGCGT GGACCTGGTT CCTGGGGGCG ATCGACAGT			120
GGGACAGTGT TTATGATCCC GGCTTAAAAC CACTGACCA			180
GCCTCCACGT CTGGAATAAT GGGTACTCTT TCCTCGTGG	A ATTTGAAGAT	TCTACAGATA	240
AATCAGCTGC ACTTAGTGNA TTGGAACGCA NCAAATTTG	A AAACTTTGAG	GATGCAGCAC	300
TGGAAGAAA TGGTTTGGCT GTGATAGGAG TATTTTTAA	A GATTTCGGGA	AACTTCTGGC	360
AGCCCAGTGT CTACTGGAAG GCCCAAGCCG NTTGCCAGA	A AGTGGGGCCC	GCCCAAAAAG	` 420
ACTGGGTTTT GCAGTCCAGG CCTTNCTNAG TTNCCAGTN	IC CAGGGAA		467
<ul> <li>(2) INFORMATION FOR SEQ ID NO:773:</li> <li>(i) SEQUENCE CHARACTERISTICS: <ul> <li>(A) LENGTH: 74 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul> </li> </ul>			
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:	773:		
AGGCACGCAG CCTACTAGGT GTGGCGGCGA CCCTGGCCC	C GGGTTCCCGT	GGCTACCNGG	60
NGCGGCNGCN CCCN			74

(2) INFORMATION FOR SEQ ID NO:774:

(i) SEQUENCE CHARACTERISTICS:

(C) STRANDEDNESS: double
(D) TOPOLOGY: linear

(A) LENGTH: 370 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: double (D) TOPOLOGY: linear (xi) SEQUENCE DESCRIPTION: SEQ ID NO:774: ANACCACCTG TGGTCTCACT AACCCCAAAA CTGCGCTCNA CCCGGCTGCN TCCAGGGTCT 60 CTAGTCCCCC CACTAGAGAC TGANAAGTTG CCTCGCAAAC NAGCAGGGGC CCCATTTGGT 120 GGGAGTCCTG GGCTGGCAAA GCGGGGCCGC CTACAGCCCC CAANTCCCCT GGGGCCTGAG 180 GGTTCANTAG AGGAGTNTNA GGCTGAAGCC TTAGGTGAGT TAGGAGGAAG GGGATGGGAC 240 CCCACGGCCG ACNTCCTGGC CCCCGNCGGC TTGTTGGGAC CACCAACCAA GGGGACCAGC 300 GNATCCTTGG CAGAAGGNCC CTTCCTTCCT TGGTTGGNCC TGTTTTTAAN TCAAAAGGGG 360 CCNAAGGCAA 370 (2) INFORMATION FOR SEQ ID NO:775: (i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 370 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: double (D) TOPOLOGY: linear (xi) SEQUENCE DESCRIPTION: SEQ ID NO:775: GGCAGAGCGA ATTTGTATGA NATTAGCCGG CCGTGGATTC ANAATCGCTC TTTGTGTGAT 60 GGGTCCCAGG GGTTCCTTTT NACCACAGAG CCAGCCTGAA ACTACCCACG GGTGCTGTGG 120 ACCCCTTGAA TCATGGCGGG ATGGAAATGG GCTGTGCCTN CAGCCGGGNA CTCAGGACTG 180 NAGCATGTNT GGGCAGCAGC CTGGTAAGCT GGCCAGCCTC GGCGCCCTTG GGGACAGCCC 240 -TTGAANACTC TGGCTTCGGT GCCCTGAGTG AGGGGGCGCC ACCCTGGGCT TCCCTGGGAT 300 GCGAGCAAGA CCCAAGNCAG GNTGNTGGAA CCGGGACAAT TCGNGTCATG TTGCTGTTGT 360 NCCCTTCCTG 370 (2) INFORMATION FOR SEQ ID NO:776: (i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 521 base pairs (B) TYPE: nucleic acid

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:776:	
ATCCCCCGGG NCTGCAGGAA TTCGGNACGA GAGTTAAACA CTTNATTTCC TCCCAACAAC	60
ACTAGAGCGT TGGCNATNAT AACCCCCATT TAATGGATTA GGAAACCAAG GAACCATGAA	120
ATTAAAAAAC TTGCCCCAGG ACATACAGCT AGGTTTTCCC AGGTCCTGCT GCAAGGAGGC	180
GGCCAGGTCC TGCTCGGTTG GACACTCCAT TACTTCCCGT TTTTCCTGAT GGGCCGGGTC	240
CTCTACTTCC ACCACTACTT CCCAGCCATG CTCTTTTCAA AGCATGTTGA CAGGNCTTCT	300
TTGGGNACAC CCTCCTGAGG GCTCTTTGCC CTGGGNGCTT GGNCTCCATG GGCCCCTGGG	360
CGAAGGGGC ATTNACANTG GGCGGGGAN TCCTGANGCC NGNTTCCTGG GGGAACTGNC	420
CTNACAGTTT TTTAACNTTT TNCCAACCTT TGGGTTTTAN GGGGATGGTT TGGTNCCCTG	480
GGGCCCAGGA CCCCCCAAAT TCCCATGGGN AGGACTAAGG T	521
(2) INFORMATION FOR SEQ ID NO:777:	
<ul><li>(i) SEQUENCE CHARACTERISTICS:</li><li>(A) LENGTH: 504 base pairs</li><li>(B) TYPE: nucleic acid</li><li>(C) STRANDEDNESS: double</li></ul>	
(D) TOPOLOGY: linear	
	·
(D) TOPOLOGY: linear	60
(D) TOPOLOGY: linear  (xi) SEQUENCE DESCRIPTION: SEQ ID NO:777:	60
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:777: TATCCATAGA TTCAGTGCAA TTCCAATAAA ATCCCAGCAG GCATTGTTGA AGAAAATGAA	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:777:  TATCCATAGA TTCAGTGCAA TTCCAATAAA ATCCCAGCAG GCATTGTTGA AGAAAATGAA  CAAGCTTATT TNCAAATTCA CGTGGAAATG CAAAGAAGCC AAATTAGTCA AAACGGATTT	120
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:777:  TATCCATAGA TTCAGTGCAA TTCCAATAAA ATCCCAGCAG GCATTGTTGA AGAAAATGAA  CAAGCTTATT TNCAAATTCA CGTGGAAATG CAAAGAAGCC AAATTAGTCA AAACGGATTT  GAAAAAAAAC AAACTAGTGA CTTAACGTTT ACCTGACTTT AAGNATATAT TATNAAACCT	120 180
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:777:  TATCCATAGA TTCAGTGCAA TTCCAATAAA ATCCCAGCAG GCATTGTTGA AGAAAATGAA  CAAGCTTATT TNCAAATTCA CGTGGAAATG CAAAGAAGCC AAATTAGTCA AAACGGATTT  GAAAAAAAAC AAACTAGTGA CTTAACGTTT ACCTGACTTT AAGNATATAT TATNAAACCT  ACCTTACTCA AAACAGTATA GTAGTCATAT AAAAGATAAT GGGAACAGNN TTAGAGAACC	120 180 240
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:777:  TATCCATAGA TTCAGTGCAA TTCCAATAAA ATCCCAGCAG GCATTGTTGA AGAAAATGAA  CAAGCTTATT TNCAAATTCA CGTGGAAATG CAAAGAAGCC AAATTAGTCA AAACGGATTT  GAAAAAAAAC AAACTAGTGA CTTAACGTTT ACCTGACTTT AAGNATATAT TATNAAACCT  ACCTTACTCA AAACAGTATA GTAGTCATAT AAAAGATAAT GGGAACAGNN TTAGAGAACC  TAGAGGTAGG ACCCGGCACA ATTATGGACA ACTGCTTTTC CAACAAGGGT GCCAAAGGCA	120 180 240 300
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:777:  TATCCATAGA TTCAGTGCAA TTCCAATAAA ATCCCAGCAG GCATTGTTGA AGAAAATGAA  CAAGCTTATT TNCAAATTCA CGTGGAAATG CAAAGAAGCC AAATTAGTCA AAACGGATTT  GAAAAAAAAC AAACTAGTGA CTTAACGTTT ACCTGACTTT AAGNATATAT TATNAAACCT  ACCTTACTCA AAACAGTATA GTAGTCATAT AAAAGATAAT GGGAACAGNN TTAGAGAACC  TAGAGGTAGG ACCCGGCACA ATTATGGACA ACTGCTTTTC CAACAAGGGT GCCAAAGGCA  TTCCGTGGGA AAAAGGAAAG TTTTTTCCAA CAATGGGTNT TCCTNTGTAA AATGGACNTT	120 180 240 300 360
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:777:  TATCCATAGA TTCAGTGCAA TTCCAATAAA ATCCCAGCAG GCATTGTTGA AGAAAATGAA  CAAGCTTATT TNCAAATTCA CGTGGAAATG CAAAGAAGCC AAATTAGTCA AAACGGATTT  GAAAAAAAAC AAACTAGTGA CTTAACGTTT ACCTGACTTT AAGNATATAT TATNAAACCT  ACCTTACTCA AAACAGTATA GTAGTCATAT AAAAGATAAT GGGAACAGNN TTAGAGAACC  TAGAGGTAGG ACCCGGCACA ATTATGGACA ACTGCTTTTC CAACAAGGGT GCCAAAGGCA  TTCCGTGGGA AAAAGGAAAG TTTTTTCCAA CAATGGGTNT TCCTNTGTAA AATGGACNTT  AAATTCCTTC CCCTGTNTTT TNGGCCAAAT TGNCCCCACT GGGGTTTTCG GTCTAATGTA	120 180 240 300 360 420

(i) SEQUENCE CHARACTERISTICS:

(A) LENGTH: 418 base pairs(B) TYPE: nucleic acid(C) STRANDEDNESS: double(D) TOPOLOGY: linear

(xi) SEQUENCE DESCR	IPTION: S	SEQ ID NO:77	78:		
AGGGGCTTGT TTTTTTATAT AG	TGTGTTTG	GGGGAGGGG	GACGCGGGAG	GNTGCATGTT	60
TTGGGAAAAG GGGGTGACAG ACA	AACTTTTA	AAAGGGCAGC	ANACTCCCTC	AGCCATGAGA	120
AACCAGCTTT GGGGAGGAAG GCG	CGGGAAAT	CAAAGCGAAG	TCCAGTTAAT	CTCCCCTGAA	180
CANTTTGGGA AGTTCATTTT NCC	CCTCANTG	CCAGCCAAAT	CCGGGCANGA	CCCTCGAAAG	240
AAGNACCGAG GGTCCCAAAG GAG	CCAATGCT	ACAACCAGCA	AATGCTGCCA	CATCTTTNNN	300
CTGATTGGGG GGTNGGGGAT GGC	GTTGGGGG	GGATTGGGAC	TNGGGGCCAA	AGGGTTCTGG	360
GGTGGGGCCA TTTTTTAAAC TT	TGGGNGGN	CTTTTCCATT	TNTTTGGTTN	AGGGCCAT	418
(2) INFORMATION FOR SEQ	ID NO:779	): ·			•
(i) SEQUENCE CHARACT (A) LENGTH: 471 (B) TYPE: nucle (C) STRANDEDNES (D) TOPOLOGY:	l base pa eic acid SS: doubl	iirs			
( : )					
(xi) SEQUENCE DESCR					
GGGCACACGT GGAGCTNAAC TTA	AANGCCAG	CGGGGAGNCG	GGGAGGCACT	GCCCTCATTN	60
TTGCANTNCC TTNATTCTTT TGA	AGGGCACT	GCCAGCCCGG	GAACCACTCA	ATCTNCTTNT	120
GGTTGAAAGG TTTGGTTCAG GAA	AGGNTGGT	CTCCTGGTTC	CCNTTGGGGT	GCTTAATGAT	180
GCACTTNAGG GGCTTGCNAG GGC	GTGAAAGT	CCTTGNAGGC	CCTGATNGGT	CCAGCTTNTC	240
CACAGGGTGA TNNTTGTTGT AG	TCNAGCCG	GGTCAGCAAN	GTTNAGAGGC	AGCAGGCCCT	300
GTTTTTTNCA GGTTGGTTCT CG	TGGATCCT	GGCAAAGNTT	TTTGGGTGAT	TGATGGCCCC	360
GGCCCCCAAG TTGGCGAGNT TCC	CAAAGCTG	TATGTTCCCG	GTTTNGAAAC	CTTGNCCTAA	420
TTTTGGTTTC CAATNACCAN CCA	ACTGATGC	CAGTTTTTTT	TAATAACGGG	G	471
(2) INFORMATION FOR SEQ :	ID NO:780	):			
(i) SEQUENCE CHARACT (A) LENGTH: 464 (B) TYPE: nucle (C) STRANDEDNES (D) TOPOLOGY:	4 base pa eic acid SS: doubl	iirs			
(xi) SEQUENCE DESCR	IPTION: S	SEQ ID NO:78	30:		
TTCCCGNTGT GGAGCGAGTG GAG	CTCCTGCC	CCTCCATGTA	CAGCCGCTCC	ATCCAGGGCC	60

ACCATGTCTG CCTCCTGGTG AAAAAGGGTG AGAACTCTGT CTNAGTCGAC GGGAAGTGCC

120

AGTGAACTCC ACGCTNACTG AAGCAACTTG TTAGNAAGAG AATGAAGGCG AACGCTGGCC	180
AAGTGTTGAA AGCTGCCTGC AAGCCCCGCA CCACCCCGAG GAGCACGTNA CCCAGGGAAC	240
CGCAGCCCTG ACGTGTCTCG CCTCTCCTGN AGTCGTGTGT ACTGTTACCC ANGCCTGNNG	300
TGTTTAATTT NAACTCTAAT GTTTGTNCCG NCGTTGTTNG GACATCCGAG GGTCCATTNG	360
TTNGGGGTTT GAAATTATTC TGGAACCNTC CTTTTTTAAC GTGGAATTNT TANCCCTTTC	420
TTTTTNGGGG CAAGAAGTTC CCTTTTTTGG NGCCCCAAAA CCAG	464
(2) INFORMATION FOR SEQ ID NO:781:	
<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 112 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:781:	
AAAACGGGNA GTAAGGCAGT GGTGGAGATG GAGAGCCCTG AGCNTCCACT NTCCTGGCCC	60
CCAGTNTTCC TACATAAGGC CACGGCCCGG NTAATGGCGG GGGCNAGCCC CA	112
(2) INFORMATION FOR SEQ ID NO:782:	
<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 129 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:782:	•
CGNATGGCCC TGTCCTNAAA ACGGGGAGTA AGGCAGTGGT GGAGATGGAG AGCCCTGAGC	60
NTCCACTNTC CTGGCCCCCA GTNTTCCTAC ATAAGGCCAC GGCCCGGNTA ATGGCGGGGG	120
CNAGCCCCA	129
(2) INFORMATION FOR SEQ ID NO:783:	
<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 320 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:783:	

GGCACGAGCA GGCACGGAGC CTNAGCCCAT CGCNATGCTG GTCCTAAGGG GCTCGTCCTN

60

GAGGGGTCCT GATGCTGGGT GCCTGAAANA AGAGCTCGGG GAGCCCGCTG CAACCNAAAG	120
GCCTGCCCAG CCGGGAAGCT GCCAACCCCC TGGTGGTGGG AAGCCGTGGC CCTCCTGGGA	180
CCTCAGCCTG GAATTCCTGT TCTCCCAGCT CCTNACCTGA GGCTANTTCC TGGCCTGGTT	240
CTGGCTTTGG TTGCNTGCCT CTTNACCCCT TTGAACCTGC CTTTTTTTTC TTCTCCTNTT	300
CCTGGGTGTN TTTTTTCCCA	320
(2) INFORMATION FOR SEQ ID NO:784:	
<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 431 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:784:	•
GGCACGAGTG GCAGCAAGCC TCTCCTGCCC TTCCAAATTA GCCCATCGAA TGGTAAGGTT	60
CCTNAACTTT GGGCAGGTNA AGANCTGTGA AGGTGGAGCA GGTAAAGGGG GTCACCTACT	120
CCCTGGAAGT CGTTCCTGGG CCCGCTTATG TGCCACAGAG GACCTGCCCT TCCCACCAGC	180
CGNGTCGTGT GAACTCCTTC AAGAACCAGC TGGTCACCCG GGAAAGGGGA ATGAAGCCTC	240
TATTNACTGT NTTCATCTTA CCTGGGCCCC TGGGGGACTA CCACTGGTTT NCACTNCCCC	300
ACCGGACTGG NACTGTNTCC CACCGGGGGG NCAATTTTCC AGGGTTCCTG ATGTTCANTG	360
AAAANCCTGG GNATGGGTTG GTTGGTTTCA AAGAGGTTTT TTTGNCCATA AAGGAGGNGG	420
GTTGGGTTCT T	431
(2) INFORMATION FOR SEQ ID NO:785:	
<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 122 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:785:	
GGNANAGNCG TNAAAACTAC CCCTAAAAGC CAAAATGGGA AAGGAAAAAG ACTCATATCA	60
ACATTGTCGT CATTGGNCAC GTTGTNTTCG GGCAANTCCA CCANTACTGG NCCATCTAAT	120
CT	122

(2) INFORMATION FOR SEQ ID NO:786:

(i) SEQUENCE CHARACTERISTICS:

<ul><li>(A) LENGTH: 353 base pairs</li><li>(B) TYPE: nucleic acid</li><li>(C) STRANDEDNESS: double</li><li>(D) TOPOLOGY: linear</li></ul>	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:786:	
GGCACGAGAG AAGATAAAAA AGTGAGGTGG ATTAAAGGGC CCATAGAGGA AGCCACCTGA	60
ACCCCCGGCC TGGCCTCCTT NTCGGCTCTT CCTCTCCGGG GGCCCAATAG GGCTGTGCGT	120
TTAANAGGCA GTTGGGAGAC CCTGGTGGCC GGTTTTGGTC GGTCACTGGG CACGCGGCTG	180
GAGCCAATCA GAATCTCCCG GCAGTTGGTT CCCGGGAGGC AGAATCTGTT NAAACTGACA	240
AAGCCCACGT TTCCGGGTCC CTGTTTCGGG GAGTCGGGGA CTNATTGGGT CACCCCGGGT	300
TAGTTCGAGA CTTTAGACTN GAGCTGTTTT NGGTNCACTC AGGGAGGCNA GTT	353
(2) INFORMATION FOR SEQ ID NO:787:	
<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 120 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:787:	
CACGCATNCA ACAAGGGCCC CTCGTACGGN CTGTCGGCCG AGGTCAAGAA CCGGCTCCTG	60
TCCAAATATG ACCCCCAGAN GGAGGCAGAG CTCCGCACCT NGTATCGNGG GANCTCACCG	120
TCCAAATATG ACCCCCAGAN GGIIGGGIIGHG GTTGTAA	120
(2) INFORMATION FOR SEQ ID NO:788:	
<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 111 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:788:	
GGCANAGAAA AGCCAAAATN GGAAAGGAAA AGACTCANAT CAACATTGGT CGTCATTGGA	60
CACGTAGATN CGGGCAAGTC CACCACTAAC TGGCCATCTN ATCTATAAAT N	111
(2) INFORMATION FOR SEQ ID NO:789:	
<ul><li>(i) SEQUENCE CHARACTERISTICS:</li><li>(A) LENGTH: 82 base pairs</li><li>(B) TYPE: nucleic acid</li></ul>	

(C) STRANDEDNESS: double (D) TOPOLOGY: linear	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:789:	
ACGATTCACA CCGTAGCCCT GGGGNAGACA NTGATTTGAT TACAAAACCA CCCAGACCTT	60
CCGGCTTGCC ATCATGNNTG TG	82
(2) INFORMATION FOR SEQ ID NO:790:	
<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 124 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:790:	
CATTCGTACG CGGGTGTGGT GTCAGTACAG CCACAGCCAG ATNCAGGAGC ACGTGANGCC	60
TGCNCANCCC AGCATCCGNG AACGTGCAGG AGCTCAAGGA AGCCATCAAG AGCCTGCATT	. 120
GGAT	124
(2) INFORMATION FOR SEQ ID NO:791:	
<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 276 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:791:	
GGCANAGTGA GTGACCGGCC TTTNAAGTGC GGCTACTGTG GTCGTGCCTT TGCCGGGGCC	60
ACCACCCTCA ACAACCACAT CCGAACCCAC ACTGGAGAAA AGCCCTTCAA GTGCGAGAGG	120
TGTGAGAGGA GCTTCACGCN GGCCACCCAG CTGAGCCGAC ACCAGCGGAT GCCCAATGAG	180
TGCAAGCCAN TAACTGAGAA GCCCAGAATC AATCGAAGTG GGATTAACGG GNTTGACTGG	240
TTGGNATTAA AACTGCAGGA GAAGTCCATG NTTNAA	27
(2) INFORMATION FOR SEQ ID NO:792:	
(i) SEQUENCE CHARACTERISTICS:  (A) LENGTH: 161 base pairs  (B) TYPE: nucleic acid  (C) STRANDEDNESS: double	

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:792:	
AAGACCGGNC TTCNTAATAA NCTTAATTAA TTCCCCCGGN AATGTGGATT TTTCCTNGGA	60
AGGACGAGCA GGAGCTTTGC ATCACCATCA AGTAAACTGC AATCTCCTTT TTTTANGAAN	120
NTCTGGGAGG AATGAATTTG AACTTAATNA AGCAGNACAC G	161
(2) INFORMATION FOR SEQ ID NO:793:	
(i) SEQUENCE CHARACTERISTICS:  (A) LENGTH: 227 base pairs  (B) TYPE: nucleic acid  (C) STRANDEDNESS: double  (D) TOPOLOGY: linear	·
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:793:	
GGAGAACCAC GTGGNACAGC ACCATGAACA TNTTGGGCGG GGNAGGCAGT NCTGGCCGGT	60
AAGCCCCTCA AGTCGGGTAT GAAGGAGCTG GCCGTNTTCC GGGAAGAAGG TCACTGAGCC	
AGCACCGGCA GATGGGCCAA GGNTGGCAAG CATCACCTTG GCCTGGAGNT AGCCCAANAA	. 180
GCTNCGAACC ACCCCCTGCN AGGACTCCCT GGCCAACAGG GAACTGG	227
(2) INFORMATION FOR SEQ ID NO:794:	
<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 307 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:794:	
GGCANAGCTG AAACGGGCAG AAGACAAAGC AAAGCTAAAA GAGCTGGAGA AACACAAAAT	60
CCAGCTGGAG CAGGTGCAGG ANTGGAAGAG CAAAATGCAG GAGCAGCAGG CCGACCTGCA	120
GCGNCGCCTC AAGGAGGCAG GAAAGGTAAG CCAAGGNAGG CGCTGGAGGC AAAGGAAACG	180
CTATATGGAG GAGATGGCTG GATACTNGCT GATGCCATTG AGAATGGCCC ACTTTGGGAC	240
AAGGGAGATT GGCTTGAAGA GCGGGGTNGA GTTCCCTNGC ANGCAAGGGA GGTGGGAGGG	300
CACTINN	30
(2) INFORMATION FOR SEQ ID NO:795:	
(i) SEQUENCE CHARACTERISTICS:  (A) LENGTH: 363 base pairs  (B) TYPE: nucleic acid  (C) STRANDEDNESS: double  (D) TOPOLOGY: linear	r

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:795:	
GGCAGANNCT TTGGATGACA ACGTCTGCAT GGCCTTTCCA GGTCTNCACC GCCGATGCAA	60
GGNTAGTNAT CAACAGGGCC CGGGTGGAGT NCCAGACCCA CCGGCTGACT GTGGAGGACC	120
CGGTCACTGT GGAGTACATC ACCCGNTACA TCGCCAGTTT GAAGCAGCGT TATACGCAGA	180
GCAATGGGCG CAGGCCGTTT GGNATCTNTG CCCCTCATCG TGGGTTTCGA ACTTTGAATG	240
GCGCTCCTAG GCTTNTATNA GACTGACCCC TTCGGGGCAC ATAACCATGC NTGGTAAGCC	300
ANATGCCATA GGCCGGGGG TGCCAAGTTC AGTGCGTGAG TTNCCTGGNN GAAGGAATTA	360
TAT	363
(2) INFORMATION FOR SEQ ID NO:796:	
<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 225 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:796:	
GGCANAGNCT CAAACAGTGC AAGATGTCTC TAAACGGGCA GCGTGGNGGA GTNCTGGTGT	60
GTAAACCCCA ACACCGGGGA AGCTGATCCA GGGAGCCCCC ACCATCCGGG GGGACCCAAG	120
ATNTNAATCT CTTCTACAAT GAAGGCAGCA GGTGGCTCGC GGGGTGCACA CCCAGCGGNA	180
TGCAGTAGAA CCGCAGCCAN CCGGTGCCTG GNGCCCCTNA NCCCC	225
(2) INFORMATION FOR SEQ ID NO:797:	
<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 295 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:797:	
AGGCACACAG GACCATAAAG GTNCTTCTCC TNAAAGGGCT GGGGGCCCTT TNCTTNCGCC	60
TATAATTGGN ATGANAACTT CAACCCGNGT AAGCACCTGG AGTTGAAGGG AGGNAGAAAC	120
CGGGCCAGCT GTCCTGTCCT CCGCCCANAG TGACCACCCC GGNTATGGCC AGCNAGCCTC	180
CNGGGAGCGA GAGTCCTGCT GAAAGGGGCC ANGNTGGTTT TGGTGAGNAG CTGGCCTATC	240
ATTAGGGNGT TTGGGCTTCC ANCTGGTNGT NAATGCCCAA CTTAGGGGTT TCCTT	295

## (2) INFORMATION FOR SEQ ID NO:798: (i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 232 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: double (D) TOPOLOGY: linear (xi) SEQUENCE DESCRIPTION: SEQ ID NO:798: GGNANAGTGG ACAAATTCGN GGAGACCGCA TCAATTAAAA TCCAGATCAT TAACCGTCCG 60 GNTCCACCCC AAATTNTGAA AGATTAAGGA TGTCTGGGGA GAAAATNTCG CTCTCANATG 120 GGNCTCCACC AAAGGAATGA TGGNAAATGC CTGCTTATCA NAGGCTTTTN CCATTNAAAA 180 GGCTGACAAA AGAGGCTGGA ATGGTTTTAC TGTNNATTGA AGCTTTNTTC AT 232 (2) INFORMATION FOR SEQ ID NO:799: (i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 407 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: double (D) TOPOLOGY: linear (xi) SEQUENCE DESCRIPTION: SEQ ID NO:799: GGCAGAGNAT CAAATATTAT TTTATTATTT ATTTAATTAT TAATCAAATG TTTGTGTAGG 60 TCTATTTCTG GGATCTCTGT TCTATTTCAT TAATCTTGTG TCTGCTCCTC TACCAATACC 120 ACACTGTCTT TATTACCGTC GCTATATGGT AAGCCCTGAC ATCATGGAAT TTNCTTCTNT 180 TTCATACGTT TTGGCTATTC TAGTGTCTTT CCCTTTCCAT ATAAATTTTA AAATAAGCTT 240 GTCTATGTCT ACAAAAAAAT CTTTGCTGNG NATTTTGGGG NAAGGAATTG GCATTTAAAG 300 CATCNCGGGT CATGGTGGGC TTCACGGCTG TAAATCACAG CACTTTNGGA GGGCTGAGGG 360 CAGGNAGGGT TGTTTGTGGG GCCAGGTGGG TNNTGGAACT CCCGGNT 407

# (2) INFORMATION FOR SEQ ID NO:800:

- (i) SEQUENCE CHARACTERISTICS:
  - (A) LENGTH: 471 base pairs
  - (B) TYPE: nucleic acid
  - (C) STRANDEDNESS: double
  - (D) TOPOLOGY: linear
- (xi) SEQUENCE DESCRIPTION: SEQ ID NO:800:

CTCANCTTCT TGCAGACCAC AAGGACCAGG ATGACCAGGC TGTTTCCCNG AAGATTGANT	120
ACAAACAGGA GGCAATAAAA GACAGCAAGG NGCAACTTGC CATTTNTTTG ATTAAGTNCC	180
GCATCACAGG GGCTTGAGAA AGATATCAGG GTAGTAGTAG TCGGTCACTG TTGTCACACT	240
	300
GAGGTCAAGT GTATAATCCA TCAAGGCAGC GGGACCTGGT CACNGAGGAC ACATAAAAGA	360
CATTCCACTC CTTAAAAACA TTTTTTTTT TTAAAAATTA GGGGGATGTT ATGGGACTGA	
ACTGTGTNCC TCCCCAATTC CAGTTTTGAG GTGCTCAACC TCCGGTGTGG GTGTGACCAT	420
TGGGGTGGGN NNGACTATTT NGGGNCCTTA AAGTTGTAAT TAAGGTTAAA T	471
(2) INFORMATION FOR SEQ ID NO:801:	
<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 131 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:801:	
CTGGTGGGGN TGCTGGAGAT GCCTTTGAAT GGCTTTGAAT TTTGGGNGTT GATCCTNGTG	60
ACCAGTTTT CCCATCCAT NNTGGCATGC GGTTCAGTTC CTGGGACCAT GACCNTGGTA	120
ACCAGTTTTT CCCATCCCAT NNTGGCATGC GGTTCAGTTC CTGGGAGGTT	131
AGTTTGAGGG C	
(2) INFORMATION FOR SEQ ID NO:802:	
<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 139 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:802:	
CTGGAATTTT AGGCCANTNA GCCCAGGGTC TGGNAACGCA AGGCCTAACA ACCCAAATTG	60
GGGCACATTT TAAGGAGGTN TNAGGAATTT TAAGTCCCGG GGACAAGGGG GGGTTACCNC	120
ACGGAAAAAT TGGTCNNTT	139
(2) INFORMATION FOR SEQ ID NO:803:	
<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 353 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:803:	
CAATTCTCCT ACCGCCAGTG GTNTGACCAA AACGCGATTC CCAAAANTTG CGCCATGATT	60
NTCGCCGCCG ATGNANTTCA TTCCTGGCAA CGGTATTCCG GTCGATAGCN TGGTTATTGA	120
CCGCAAAATC AATCCGCTAC AGATCAAACA AGACGGTGGC AAAGNCTTNA AAACTNCTGG	180
TGCTGTGGCG TAGTGATGAA GATGCGCAAA CGTNTGGTTA TGGTGAAAGA NTTCAACGAA	240
CTGTGCCACT CACACGGTCT GGTAAGCATC ATTGAGCCAT NCGTCCGTCC ACCGNGTCGT	300
GGCGATNAAT TTCGATCGGN AACAAGCGAT CATTCGATGN CCGCCAAAAA GTT	353
(2) INFORMATION FOR SEQ ID NO:804:	
(i) SEQUENCE CHARACTERISTICS:  (A) LENGTH: 88 base pairs  (B) TYPE: nucleic acid  (C) STRANDEDNESS: double	
(D) TOPOLOGY: linear	•
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:804:	
GGCACGAGCA GCCCCCAATT TTTCCCTCCG GCCTGGGCGG CCCCTGGTCC NGGNGGCNAA	60
TGGAAGANCA AGGGACCTGC CCGGGGNC	88
(2) INFORMATION FOR SEQ ID NO:805:	
<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 254 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:805:	. 60
TGTTGTTTTG TNGTTTCATT TTTTAAGACT CCCAGNTGGA CATNTTAATT GCTTTGCAAA	
TNACCTGCTT CAAGGATGTG GGAATTTCCT AATTNTTNCT GTGAACCCTT TTNAATTCCC	120
CCACCATGCG TNTNGTGAAC ACCTTCACCA ATAACATAGT CATGTATTTC CCTGCTGCCA	180
TATTTGGTTT TTTTCCCACC TCGGGGGATC CTTTTTTNTN ACTATNAAAA TNGGNTTCCT	240
CCATTCTGAA GGGT	254
(2) INFORMATION FOR SEQ ID NO:806:	
<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 199 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:806:	
TGGTGGCCAT CNTAGACCCC CACATCAAGG TGGACTNCGG CTACCGANTT CACGAGGAGC	60
TGNGGAACCT GGGGCTGTAT GTAAAAACCC GGGAATGGCT CTAACTATAA GGGCTGGTGC	120
TGGCCAGGCT CAGCTGGTTA CCCTGAACTT CACTAATCCN ACGATGAGGG CCTNGTTGGN	180
TAACATGTTN CAGNTAATG	199
(2) INFORMATION FOR SEQ ID NO:807:	
(i) SEQUENCE CHARACTERISTICS:  (A) LENGTH: 137 base pairs	
(B) TYPE: nucleic acid (C) STRANDEDNESS: double (D) TOPOLOGY: linear	
	•
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:807:	
CCCANGGTGT NANCGACATT GAGGAGGGTT TATTAAGTGN CCGTGGTCAT CGACCCCTTG	60
AACAAGAAGA GAGANGTGGC TCACGGCCTG AGGCCTAACC NACCGACCNT CAGTGGAGGT	120
	137
GGCTATCGGG NTCGTCC	
(2) INFORMATION FOR SEQ ID NO:808:	
<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 116 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:808:	
CTCTTCAGCN TCGAGGTCAC CTCCACCTTC TTTGCAGTGC GGGNACTACT NGCGGGGGCT	60
TCTTNGGTTG CCCCCTTCAG TGGCCTTNCA TCTTCCGGGT TTTTGGGCGT CTNGGG	116
(2) INFORMATION FOR SEQ ID NO:809:	
<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 135 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:809:

TTACCAACNT GANGCTGATT GAGTATTGNG GGAGCTTTGG TTCGGAGACA GGCAAAGGAG

60

NCATGTTTGG TGAGNTTGGT TTTTCAGTAC TTCCAGAACC GNGANTGATT ATGGAAAGGA	120
CCTNATGGAG AAGGT	135
(2) INFORMATION FOR SEQ ID NO:810:	
<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 377 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:810:	
GGNAGAGGGC AAAGGTGCTA TTAACCACTA CGTAANACCT GTAAAGCCTG GCCGCCTTGT	60
TGTAGAGATG GGTGGNCGTT GTAAATTTAA AGAAGTNCAA GGTTTCCTTA ACCAGGTTGC	120
CCACAANTTG CCCTTCGCAG CAAAGGCTGT NAAGCCGCGG GAANTCTAGA GAAGATGCGA	180
AAAGATCAAG AGGAAAGAGA AACGTTAACA NCCAGAACCC CTGGNACATT TNAGCCGATT	240
TAGCCACTGC CCAACATNCT GGGGCTTACG GGAAAGTTAC TTGGGCCCAT ATGAATTTGA	300
CCCACAAGGG GGAANTACTG GGGGCAAGTT NCTTACATGC CCCAAANGTG TGTAGTGNGT	360
TTTAGGGGGT TAANTGT	377
(2) INFORMATION FOR SEQ ID NO:811:	
<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 384 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:811:	
AGGTGAAATG GATGANAATT CANTNTCCCC AAAGGCTTGT AACGANTTTA AGATCANTGG	60
CTACCCCAAA CGGGGNCAGN AAACGGAGAA GCACAAACNA AACTNAATGC NTCCAATATC	120
GAGGATCANT NTGAGANCAG AAGCCAATGT NAGTTTTGCA AGTTGGGATG TTGAGAAAGA	180
CAGCCATCTT TGNCTTTCAA TATTTCCCAC GTCAGAAACA AGGTTCGATT CCTAGGAACT	240
CCTTCCAGCT CTTACAACTN TGAACGGTTT CACAACAGAT ACTTGATCGN TTCTGGAAAT	
GAAAGNTGGC TTCTTTAAAA TCCAACCAAA GGNGGGGGTC CGCTACCTCC ACTTTCACAA	
GGAGGAGCCC GTGGGTGGNA NCCC	384
(2) INFORMATION FOR SEQ ID NO:812:	
(i) SEQUENCE CHARACTERISTICS:	

<ul><li>(A) LENGTH: 121 base pairs</li><li>(B) TYPE: nucleic acid</li><li>(C) STRANDEDNESS: double</li><li>(D) TOPOLOGY: linear</li></ul>	
	•
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:812:	
CTGGGAAAAG ATTGTCAGGN CATTGCCATT AGGGAGCTAA ACAGAGCGGG CTTTACTTTN	60
TTNAACCCTC TGNGAGATTN ACCGGCATTC TTAGTCTACT GTGAAATTCG NTGGGTCTGG	120
TINAACCCIC IGNGACATIN MOOCOON	121
G	
(2) INFORMATION FOR SEQ ID NO:813:	•
<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 344 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:813:	
GGGGGCCTGA TGTGCTCACA GCNACAGTTA GTGGGAAGCT GCCTACACAG AGCATNACTT	60
TCCAAACGGA GTCCAGTGTG GCAGAGCAGG AGGCGGAGTT CCAGAGCCCC AAGTATATCT	120
TCCACAACTT CATGGAGAGG CTCTGGGNCA TACCTGAACT ATCCAGCAGC TGCTGGAGNC	180
AAACTGTTTC CGCATCCAAT GCTGATCCAG CAGGCCCTCC GGNAACCAAG CGCTGNAATT	240
TNTCCACTTG CCTACAGCTT TGTNACGGCT CTTNACATCT TTGGTTAGTT CACCAAACCC	300
GGTTGACCCA AGAGGCAGTT TTCAAGTTTG NTTGNNGAAG GCCC	344
(2) INFORMATION FOR SEQ ID NO:814:	
<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 238 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:814:	
ACCTGACTTA ATTCGTTCGN ATACCACCTG TTTCTGTNCT TCATTTAACA CAGGAGGTCG	60
ACCAAAACGT TTCCCTGCGC CGCGGGCTCT NACTATCCCG GAATGAGTGC GTTCAAGTAA	120
AAGGTCTCGT TCAAATTCAG CGACTGCTGA AAATTACTTG CATCATCATT TTTCCTGTNG	180
GGNCTTGGTC AGGTCAATGC CCACCCCAAT GGTTAAGGCA AATGCACTGN NGATNACC	238
(2) INFORMATION FOR SEQ ID NO:815:	

<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 295 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:815:	
GGCANAGGGA AATNAGTTTT TGGCTAAACT TGGAACGTGC GTNATACCGC ATCCAGGAGA	60
AACGGGAGAG CCCGGAAGTT CTCCTGACTC TGGATATCTT GNAAACATGG CAAGCGCCTT	120
CCATGCCACC GTNAGTTTTG AACACTGAAC ACAGGTCTAA AACAGGCTTT GGGAAACTGT	180
GAAATGAACT ACAATCCTCT GAATGAAAGN TTTCCCTCTG AAATGGATTT GCTGTCTGCC	240
ACGGGGCTGN NACAAANTAA GACAGGCGCT TGTTGCCATT TTCACACATT TNAGG	295
(2) INFORMATION FOR SEQ ID NO:816:	
(i) SEQUENCE CHARACTERISTICS:	
(A) LENGTH: 332 base pairs	
(B) TYPE: nucleic acid (C) STRANDEDNESS: double	
(D) TOPOLOGY: linear	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:816:	
GGCAGANAAG GTTCTGTGGG CTGCNTTGCT GGTCACATTC CTGGNAGGAT GCACTCNAAG	60
GTGGAGCAAG CGGTGGAGAC AGAGCCGGAG CCCGAGCCTG CGCCANAACN CGNAGTGGCA	120
GAGCGGCCAG GCTGGGNAAC TGGCACTGGG TCGCTTTTGG GAATTACCTG CGNTGGGTGC	180
AGACACTGTN TNAGCCAGGT GCAGGAGGAG CTGCTTCAGC TCCCCAGGTT CACCCAGGTA	240
ACTGAGGGC GCTGATGGGA CGNGAACCAT GTAAGGAGTT TNGAGAACCA AGTCTNNAAC	300
CAACATGGTG GAAATTCCCC GTTTTTTAT NA	332
(2) INFORMATION FOR SEQ ID NO:817:	
<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 274 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:817:	
GGCACAGCTT GGCCTCCCAA AGTNCTGGGA TTGCGGGCTG GCTGCACGGG GGCAGGAGCC	60
TGNCCTTGAT TCAAAGGTTC CTGAGAGACT CGGTCTCTGG GGCAGAGGCC TGNGCAAGGG	120

GACCTCGCTG GGGTGTCTCT NTTTTAGCCA CGCTNCGGTG TTTCTGGGTC CTGTAACCCA	180
CGTTTAAGCA GCCTGTGGTG CTGGTGGCAC AGGNGAAGGA AACCGAGGTC AGGGNAGCCT	240
TTGGGGGCTG CTTTGNAGGG NACAGGCAGN TCCT	274
(2) INFORMATION FOR SEQ ID NO:818:	
(i) SEQUENCE CHARACTERISTICS:  (A) LENGTH: 288 base pairs  (B) TYPE: nucleic acid  (C) STRANDEDNESS: double  (D) TOPOLOGY: linear	· · · · · · · · · · · · · · · · · · ·
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:818:	
GGCACGAGGC GGCAAGAGCT TCANCCACAG CTCGCACCTN ACCGCGCACC AGGCATNCCA	60
CCGTGGCGTG CGGCCCTACC ACTGCCTCGA CTGCGGCAAG AGCTTCAGCC GGCTGAGCCA	120
GTTCGAACCC CGGNATGCAG CTCCGCNAGA CCCCAGTTCC CACGGAGCCC CAGGNAGTTA	180
CCGTNTCCCG GAGAAAGCCC AACGAAGGAG GAGAAGGCC CCCCGGAAGA GTNGCGAGGA	240
GGGCCTGGNC CCTNAANAGT NAAGGTGGGG CAGGAAGAGC TTACCGGT	288
(2) INFORMATION FOR SEQ ID NO:819:	
<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 101 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:819:	
GGGGCTGGAC GCANGTGCAC TAANCATGGG TGAACCCCAG GGATCCATGC GGGNTCTAGT	60
GACAGGGGGT CTNGGCTTGT AGGCAAAGNC ATCCCAAAGG T	101
(2) INFORMATION FOR SEQ ID NO:820:	
<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 213 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:820:	
CATTGNATGT GGTTACCACC TTTNGTNNAT CCACTCATCC ATCGATGGNC ACGTGGGTTG	60
NTTCCACCTT NAANCTGCTG TGAAATAGTG CAGTGTACCC TNTAAACATG GGTGTACTGA	120

AGAGCTCTTA TCAAGTGCCT TGANAACATC ACTGGAAAAT GTCCATGGGA CTCTGAAAGG	180
TTGCCANAAG AATGGCNNGA GGCTCTATNA CGA	213
(2) INFORMATION FOR SEQ ID NO:821:	
<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 373 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:821:	
GGCAGAGNCA CCCTTTCACC CTTCCCCCTA TCCAGGACAG TTTCACCGAA ACCCCGGNGC	60
CCCGGNGGTA TCCTTGAGCG GAGAGGCCGG GGCGGGAGCA GGAAGGCCGC GCTGTCGGGA	120
AGGGGCGGG ACCTGCCCGN TTGGCCCAGG TTTTGGACAC CTGGGCGCCC CTGGCCCTTC	180
GGCAGAACAC GGTGCCGGAC AGTAAGAGGT CCAGCGGTTA GTGGGCGCGG NCGGCGGCAC	240
GTAAGGCTGG AGCCGCCTGC ATTTTCCAGC AATGAACGGC GCCCTTTTCC CCTTGCCCGC	300
AAAGGGTCTT TNCAGGNCAA CTTTCGAGGC CCTNAATGGT GGGTTTTCCC TGGTTGNTTG	360
GGGTTTNCTT GGG	373
(2) INFORMATION FOR SEQ ID NO:822:	
<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 323 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:822:	
GGCANAGACG CGGAGAATNA GGAGGAGGAT GACGTTCCTG AAATNAACAG CAGCTTTACA	60
GCCGTTACTG GTGAACAAGA GGAGCACACT CTCCAAGAAA CAGCATTACC ACCTGTGAAA	120
TAGTAGCATC ATCGCTGCTC CCATCACGGA CCCTTCTCAG AAGTTCCCTC AATACCTACC	180
TCTTTCTGCA GAGGATAATT TAGGTCCTCT ACCTGAAAAC TGGGAGATGG CCTATACTGA	240
AAATGGAGAA GTCTATTTTA TAGAGTAAAA GTATNACCAT TATTTNTACC TNAAATCTCT	300
NCTACTCTTT GTTTTANCCT TGC	323
(2) INFORMATION FOR SEQ ID NO:823:	
(i) SEQUENCE CHARACTERISTICS:  (A) LENGTH: 351 base pairs  (B) TYPE: nucleic acid	

(C) STRANDEDNESS: double
(D) TOPOLOGY: linear

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:823: GGCANAGNCA GACGATCATC CACTCTGGAT GTCATCCAAA TGGCTTTCCA TGANTGTTTT 60 AATGCTAGAT GAAAAACGTG TTATGGTGGA TGCCAATGAA AGTTCCAATT CAAAANATGT 120 TTGAAAANGT GGGTATCACT ACCATTAAAG TTAACATTCG TAATGCCAAT TCCCTGGGAG 180 GAGGCTTCCA TTGCTGGACC TGCGAATGTC CGGCGNNGNG GCACCTTACA GTCCTACTTG 240 GACTGAACAG GCCTGATGGA GCTTNTGGCT GGCCTCAGAT ACACCTNAGN AAGCTTAGGG 300 351 GCAAGGTTCA TTCTNTGCTT TNAAAAAGTG GCATGGAACT GTAGTGGCTT T (2) INFORMATION FOR SEQ ID NO:824: (i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 216 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: double (D) TOPOLOGY: linear (xi) SEQUENCE DESCRIPTION: SEQ ID NO:824: GGCAGAGNCA AGAGCGAGTA CTCAGTCTCA AAATAAAAAA AAAAGGGTGA ATTTTGCCTG 60 ACTCTTATGG CTGTGGTTTA AAAGAATCAG AGTTTAGNTC GGGCATGGTG GCTCANCCCT 120 GGATAATCCC AGCACTTTGG GAAGGCCGAG GTGGGAAGAG CAAAACTCCG TCAAAAAAAA 180 216 AAAAAGGGAA AAAAAAAACC CNGGNNCCNG GAAAAN (2) INFORMATION FOR SEQ ID NO:825: (i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 382 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: double (D) TOPOLOGY: linear (xi) SEQUENCE DESCRIPTION: SEQ ID NO:825: AGGNNAAACC TTCGAGCAGA CCAAGTACCT GGNGGGCCCG GAGCGCCCT TNNTCGCCTA 60 CTCGCTGGGC ATGACCGAAA GCCAGGTGAA GGTCTGGTTC CAGAACCGCC GGACCAAGTG 120 GCGCAAGNGN CATNTTNGGN AGAATGGCGT CGGCCAAGAA GAAGCAGGTA NTCGGAACGC 180 CGAGAAAGCT GAAGGTGGGN GGCTCNGNAC GCGGNAGGAA CGACGGACGN AATTACAACC 240 GGCCCCTGGN ACCCCAACTT CGGNACGGAC GAGAAAGATT CACGCGGGCT GCTNCAGGAA 300

AGCACAAAAC CCTTCGAAAC TTGGGCGCTG GTTCANCCCG TTCGGNCGGC GGTGCGGGGG	360
GNACGCCTTT NTTTAGGTAC CC	382
(2) INFORMATION FOR SEQ ID NO:826:	
<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 280 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	·
TOWNS DECORED ON SEC. ID NO. 826.	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:826:	60
GAAGGAAGCN GGGGACAGGN TGAAAGCAAC AACACCTTTN CAGACAGTNG ACCGGCCCAA	120
GGACTGGTAC AAGANGATGT TTAAGCAAAT TCACATGGTG CACAAGCNGG ATGATGACAC	180
AGACATGTAT AATANTCCTT ATACATACAA TGCAGGTTTG TNCAACCCAC CCTACAGTGC	
TTCAGTCACA CCCTGCTTGC AAAAGACCCA AAACCTNCAG GCCTTTTTTT CCAAAAAGGC	240
CANTTCCGGN CAACAGNCCC CAATTGNTTT TTTAAGGGTT	280
(2) INFORMATION FOR SEQ ID NO:827:	,
<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 410 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:827:	
GGCANAGGGA AAGAAGGCAA TGATGTAGAT GAGGCTTCCG ATCAGAGCTG CAATGTTGGT	60
GTTGTTGAAG AAGACACTGA TAAGATAGCT CATGGCAATA ACCGAGAAGC TGTAGTCCGA	120
AAAATACAGG AACAAAATGA ACCCATTTNT TTTAGGGAAG AATATTGCCA AACTTGAGTA	180
TAATGATGAG GATCACGATG GTAACCAGTN AAAAATCCAA CACTCTCTAT AAGCCAGGCA	240
AAGAAATGGC TGCAGGAGTT CACACCCATC ATCTTTCATG TACTGTAGGA AGGAAAAATG	300
TGAGGCACTT GTTATGCTGA TATTCTTCCC AATTAAAATT ATTTCCCGTG TTGTGTTCAA	360
AATGTNCNGT TAGTCCTCCG TATATGGANN AGGGCTTTTT NATTATTTTG	410
(2) INFORMATION FOR SEQ ID NO:828:	
(i) SEQUENCE CHARACTERISTICS:  (A) LENGTH: 365 base pairs  (B) TYPE: nucleic acid  (C) STRANDEDNESS: double  (D) TOPOLOGY: linear	

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:828:	
GGCANAGCGG CACGAGCGTN AAGGTGACCC TCCGACTGGA CACCCACCCT GCCATGGTCA	. 60
CCGTGCTGGA GATGGGGGCT GCCCGCCACT TCCTGCGCAT GCACAGCTGG CCAAGACCCG	120
GAAGGAGCGC GCACAGCTGC CTGCAGCCCA CGCTGGNAGA TCAACCCCAG GGCACGCGCT	180
TCATCCAAGA AAGCTGAATG CAGCTGCGCG CAANAAGGCC TGGGCCTGGT TCCAGCTGCT	240
GGTGGTTCCA NATATACGAG AAACGCCATG GATTGCTGCT GGGACTTGTT GGACGGACCC	300
TNGGGGCCAT GGTGGGGCCC TTTGNANTGA GCTGCTTTGT TCAAGGGCCN TGGGAGNGGA	360
CAATG	365
(2) INFORMATION FOR SEQ ID NO:829:	
(i) SEQUENCE CHARACTERISTICS:	
(A) LENGTH: 347 base pairs	•
(B) TYPE: nucleic acid (C) STRANDEDNESS: double	•
(D) TOPOLOGY: linear	
	٠
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:829:	
GGCACGAGCT CGTCNANGGA ATCGGCGTTT ACTGGGGGCC AGGCCGTNGT TTAAATGTAG	60
GCATTAGACT TCTTGGGCGG CNGACAGACC AAAGAGCGGA AATTCATCCT GCAAAGCCAT	120
TGNAACAAGC AAAGACTCAA AACATCAATA AACTGGTTCT GTATACAGAC AGTATGTTTA	180
CGAATAAATG GTATTAACTG AACTGGGTTC AAGGTTGGAA GAAAAATGGG TGGTANGACA	240
AGTGCCAGGG AAAGAGGTGA TCCAACAAAG AGGACTTTGT GGGCACTGGN GGAGGCTTTA	300
CCNNGGGGTT GGACATTTNG TGGATGCCNG TTCCTGGTCC TTTCGGG	347
(2) INFORMATION FOR SEQ ID NO:830:	
<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 100 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:830:	
ATGAAGTCCA GCGGCTTCCT CCGAAAAATT CTGTACANAA GGGTGGCTGT TTGGGGCANC	60
AAGTAATGCG TTNAAGGGNA GGCAGGTGGG NGTGAAGGAG	100
(2) INFORMATION FOR SEC ID NO.831:	

(A) LENGTH: 224 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: double (D) TOPOLOGY: linear	
(b) TOPOLOGI: Timest	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:831:	
AGGTATGGTC AANCTGACGG CGGANTGGAT AGAGCAGGAG GCGCAGTGCA CCAACGCGGT	60
GCGCAACCGG GAAGCTGGAC CTCCGGGGGT ATAAAATTCC CGTNATTGAA AATCTCAGGT	120
GCTACGTTAG ACCANTTTGA ATGCTATTGA ATTTTNCTGN ACAATGAAGA TCANGGAAAC	180
TNGGATGGTT TTCCTTTGTT GAGAAAGACT GTAAAAACAT TGTT	224
(2) INFORMATION FOR SEQ ID NO:832:	
<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 258 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:832:	
GGCACAGCTC AGTACAACAC TGAAATTAAA CTGCCTTGTN CATGCTTTCA TGTCTCAAAT	60
CAAGGCCTAA ATGAGTAAAA AGATGATTAC AGATTACCTA AAACCCTTAA CCAGTTTTGG	120
TTTTTGAATT ATGCATATGC TGTTGGCTTG CAATTGAGGT TTTTAAGTTT CTGTTTATGT	180
GAACTTGTTT GAAAACATTG GATTCGTCTT CTCTCCCACA GTTTCTACTT GNANCCTTAG	240
TTAGCTTTTT NNNGGGGG	258
(2) INFORMATION FOR SEQ ID NO:833:	
<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 379 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:833:	

TTTTCAATAT CAGACCTGAC CTATAAGAGA TGCTAAGGGG AGCTCNTTAA TCTGAAAGGA

AAGGACATGA GTNAGCAATA NGAAATCATC CAAAGGTACA AAACTCACTG GTATCAGTGA

AGTNCACAAG ANCAGATTGG CTTGACACAC TAATTGCCGT GTGTAAGCCA TATTTTGAGT

AGGAAGACTA CAAAGCCTAT CAAAANTTAT NATTNCAATT TTTTAAGCGN TNAATATAAA

60

120

180

ANGNTNAAAT AGGAAACATT GGCCGGGCCA CGGTGGCTCA	CACCTGTTAA	TCCCAGCANT	300
TGGGAGGCTG AGGCAGGTGG TTTCANGAGG TCCAGTNCGA	GAACCANCCT	GGGTTAACAC	360
GGTGAACNTC CGTTCTCCA		·	379
(2) INFORMATION FOR SEQ ID NO:834:		. •	
<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 308 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>			
			•
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:8	34:	•	
TGAAATCACA GGCGCNTTGC TGGCCAAATT CATCAAAACC	ACCATGCCTA	AAACAGTGTC	60
ACACTGTNTT TCAACTTGAN TCCTTGTAAA ATAGTGATTT	TTTTTTTNN	TTTTTTTTT	120
TTTTTCCCCT TAGAAAGCAG CCTGGGCGCG GNGGCTCAGG	CCTGTNAANC	CTAGCGTNTT	180
GGGAGGCCNA GGTGGGCAGT TTGTTTGAGC TCAGGGGTTC	GAGACCNGCC	TGGGTAACNT	240
GGGCAAAACC CCANCTTTAC TAAAAATACA AAAATTGGCC	GGGCGTGGTG	GCGCTGTCCG	300 .
TNANACCC	•		308
(2) INFORMATION FOR SEQ ID NO:835:			
(2) INFORMATION FOR SEQ ID NO:835:  (i) SEQUENCE CHARACTERISTICS:  (A) LENGTH: 390 base pairs  (B) TYPE: nucleic acid  (C) STRANDEDNESS: double  (D) TOPOLOGY: linear			
<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 390 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>			
<ul> <li>(i) SEQUENCE CHARACTERISTICS:         <ul> <li>(A) LENGTH: 390 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul> </li> <li>(xi) SEQUENCE DESCRIPTION: SEQ ID NO:8</li> </ul>			60
(i) SEQUENCE CHARACTERISTICS:  (A) LENGTH: 390 base pairs  (B) TYPE: nucleic acid  (C) STRANDEDNESS: double  (D) TOPOLOGY: linear  (xi) SEQUENCE DESCRIPTION: SEQ ID NO:8	CAGTGCGAGO		
(i) SEQUENCE CHARACTERISTICS:  (A) LENGTH: 390 base pairs  (B) TYPE: nucleic acid  (C) STRANDEDNESS: double  (D) TOPOLOGY: linear  (xi) SEQUENCE DESCRIPTION: SEQ ID NO:8  GGCACGAGCT CGTCCNTNCA ACGACTGCAA TATGGCGCGTAAGCCT TCTTGCGGGC GCCTAAAGCC CCGGACGCTAA	CAGTGCGAGG	GGGGCGCCAC	120
(i) SEQUENCE CHARACTERISTICS:  (A) LENGTH: 390 base pairs  (B) TYPE: nucleic acid  (C) STRANDEDNESS: double  (D) TOPOLOGY: linear  (xi) SEQUENCE DESCRIPTION: SEQ ID NO:8  GGCACGAGCT CGTCCNTNCA ACGACTGCAA TATGGCGCGT  AGCCTCTCGC TCTTGCGGGC GCCTAAAGCC CCGGACGCTA  GAGTTCACCT ATGCACTGAT GCCGCACAAG GGCTCTTTCC	CAGTGCGAGO CTGCTGACAC CAGGATGCTGC	GGGGCGCCAC G CGTTATCCAA	120 180
(i) SEQUENCE CHARACTERISTICS:  (A) LENGTH: 390 base pairs  (B) TYPE: nucleic acid  (C) STRANDEDNESS: double  (D) TOPOLOGY: linear  (xi) SEQUENCE DESCRIPTION: SEQ ID NO:8  GGCACGAGCT CGTCCNTNCA ACGACTGCAA TATGGCGCGT  AGCCTCTCGC TCTTGCGGGC GCCTAAAGCC CCGGACGCTA  GAGTTCACCT ATGCACTGAT GCCGCACAAG GGCTCTTTCC  GCTGCCTACA GCCTTAAACT TCCCCCTGTT GGCTCTGCCA	CAGTGCGAGC CTGCTGACAC AGGATGCTGCACACCACCCAGCC	GGGGCGCCAC GCAGCGCCCGC	120 180 240
(i) SEQUENCE CHARACTERISTICS:  (A) LENGTH: 390 base pairs  (B) TYPE: nucleic acid  (C) STRANDEDNESS: double  (D) TOPOLOGY: linear  (xi) SEQUENCE DESCRIPTION: SEQ ID NO:8  GGCACGAGCT CGTCCNTNCA ACGACTGCAA TATGGCGCGT  AGCCTCTCGC TCTTGCGGGC GCCTAAAGCC CCGGACGCTA  GAGTTCACCT ATGCACTGAT GCCGCACAAG GGCTCTTTCC  GCTGCCTACA GCCTTAAACT TCCCCCTGTT GGCTCTGCCA  CACCTCCTGG GAGTGCGTTT TCCGTGTCTT CACCCGCGGT	CAGTGCGAGO CTGCTGACAC CAGGATGCTGCACCCCCCAGCCCCCCCCCC	GGGGCGCCAC GCGTTATCCAA CCAGCGCCCGC GACCGTCAAGC	120 180 240 300
(i) SEQUENCE CHARACTERISTICS:  (A) LENGTH: 390 base pairs  (B) TYPE: nucleic acid  (C) STRANDEDNESS: double  (D) TOPOLOGY: linear  (xi) SEQUENCE DESCRIPTION: SEQ ID NO:8  GGCACGAGCT CGTCCNTNCA ACGACTGCAA TATGGCGCGT  AGCCTCTCGC TCTTGCGGGC GCCTAAAGCC CCGGACGCTA  GAGTTCACCT ATGCACTGAT GCCGCACAAG GGCTCTTTCC  GCTGCCTACA GCCTTAAACT TCCCCCTGTT GGCTCTGCCA  CACCTCCTGG GAGTGCGTTT TCCGTGTCTT CACCCGCGGT  AGGCGGAGAG CAGCCCCCAG CGGCCGTTCG TTGGTCCTGA	CAGTGCGAGO CTGCTGACAC CAGGATGCTGCACCCCCCAGCCCCCCCCCC	GGGGCGCCAC GCGTTATCCAA CCAGCGCCCGC GACCGTCAAGC	120 180 240 300 360
(i) SEQUENCE CHARACTERISTICS:  (A) LENGTH: 390 base pairs  (B) TYPE: nucleic acid  (C) STRANDEDNESS: double  (D) TOPOLOGY: linear  (xi) SEQUENCE DESCRIPTION: SEQ ID NO:8  GGCACGAGCT CGTCCNTNCA ACGACTGCAA TATGGCGCGT  AGCCTCTCGC TCTTGCGGGC GCCTAAAGCC CCGGACGCTA  GAGTTCACCT ATGCACTGAT GCCGCACAAG GGCTCTTTCC  GCTGCCTACA GCCTTAAACT TCCCCCTGTT GGCTCTGCCA  CACCTCCTGG GAGTGCGTTT TCCGTGTCTT CACCCGCGGT  AGGCGGAGAG CAGCCCCCAG CGGCCGTTCG TTGGTCCTGA	CAGTGCGAGO CTGCTGACAC CAGGATGCTGCACCCCCCAGCCCCCCCCCC	GGGGCGCCAC GCGTTATCCAA CCAGCGCCCGC GACCGTCAAGC	120 180 240 300
(i) SEQUENCE CHARACTERISTICS:  (A) LENGTH: 390 base pairs  (B) TYPE: nucleic acid  (C) STRANDEDNESS: double  (D) TOPOLOGY: linear  (xi) SEQUENCE DESCRIPTION: SEQ ID NO:8  GGCACGAGCT CGTCCNTNCA ACGACTGCAA TATGGCGCGT  AGCCTCTCGC TCTTGCGGGC GCCTAAAGCC CCGGACGCTA  GAGTTCACCT ATGCACTGAT GCCGCACAAG GGCTCTTTCC  GCTGCCTACA GCCTTAAACT TCCCCCTGTT GGCTCTGCCA  CACCTCCTGG GAGTGCGTTT TCCGTGTCTT CACCCGCGGT  AGGCGGAGAG CAGCCCCCAG CGGCCGTTCG TTGGTCCTGA	CAGTGCGAGO CTGCTGACAC CAGGATGCTGCACCCCCCAGCCCCCCCCCC	GGGGCGCCAC GCGTTATCCAA CCAGCGCCCGC GACCGTCAAGC	120 180 240 300 360

(A) LENGTH: 338 base pairs(B) TYPE: nucleic acid(C) STRANDEDNESS: double

(2) INFORMATION FOR SEQ ID NO:838:

(i) SEQUENCE CHARACTERISTICS:

(A) LENGTH: 322 base pairs(B) TYPE: nucleic acid(C) STRANDEDNESS: double(D) TOPOLOGY: linear

(D) TOPOLOGY: linear (xi) SEQUENCE DESCRIPTION: SEQ ID NO:836: GGCACGAGCC TACACAGAGT GCTGCTGCCT GTATNGAGAG GCCTNGGGCA TGGNCTGCGC 60 CCTCTGCCCT GCGCAGGACT CAGATGACTT CGAGGCCCTG TGCAATGTGC TACGCCCCCC 120 CGCATATAGC CCCCGCGAC CAGGTGGCTT TGGACTCCCC TACGAGTACG GCCCAGACTT 180 AGGTCCACCT TACCAGGGCC TCCCATATGG GGCTNAGTTG TACCCACCAC CTGCGCTACC 240 CTACGACCCC TACCNACCGC CACCTGGGNC CTTCGNCCGC CGGGAGGNTC CTTATGGGGC 300 338 AACCCGNTTC GACATTGCCA GACTTTGAGG ACGATGGT (2) INFORMATION FOR SEQ ID NO:837: (i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 497 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: double (D) TOPOLOGY: linear (xi) SEQUENCE DESCRIPTION: SEQ ID NO:837: GGCACGAGAA AAAAAGATAC CCAGATTCCA AGGACCTCAC GATGGTGCTG AAAACCTATG ACACCAGCTT CCTGGACTTT CTCAGAAGGT GTTTGGTATG GGAACCTTCT CTTCGCATGA 120 CCCCGGACCA GGCCCTCAAG CATGCTTGGA TTCATCAGTC TCGGAACCTC AAGCCACAGC 180 CCAGGCCCCA GACCCTGAGG AAATCCAATT CCTTTTTCCC CTCTGAGACA AGGAAGGACA 240 AGGTTCAAGG CTGTCATCAC TCGAGCAGAA AAGCAGATGA GATCACCAAA GAGACTACAG 300 AGAAAACAAA AGATTAGCCC CACGAAGCAT GTTCAGCATT CAGGTGATCA GCAGGACTGT 360 TTCCAGCACG GAGCTTGACA CTGTTNAGCT GCCTCAACTT GGTAGACGGT CCCAAGGAAG 420 TCAGAGGCAG TTGTCGGGGG CGGGAGGTGT NCATGACCTT CCCAGGGCAG NGCAAAAATT 480 497 TTTCCTTCAA GGACACA

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:838:	
GGCACGAGGC AGGGTGCCTG TNATTCACTG TGTTATTTGG TTTAAATCAA AGTGATTCTG	60
GGGGAAGCTA TGCTCTTTCA GTGGATAATA AAATTGGTAA CTCTATTGTA AAACATGTCA	120
ATGGTGTGTG AAGAAAAATC AACCAATCTG TAGGTGTTGA TAACTAGACA GTACTGTGTA	180
TGTNACGTGC CTGTNTGGGA TGTNCACTTC CAGCATGGTA TGTGTTAGCG ATGTGGNTCA	240
TGCCCAGAGN TCGTAGATCC TGTTTTGGGG TTTGCACATG GATCGTATGT TAAGCTNTTT	300
NCTTTTNCAT TAAATGAATT TT	322
(2) INFORMATION FOR SEQ ID NO:839:	
(i) SEQUENCE CHARACTERISTICS:  (A) LENGTH: 193 base pairs  (B) TYPE: nucleic acid  (C) STRANDEDNESS: double  (D) TOPOLOGY: linear	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:839:	60
AGTACATTCA AATGTGGGCA NCTCANCGCC AGAAATTCCT GTTCNCCCTG AGCCAGCATA	
TCAACTGGGT NCGCTGTGCC AAGTTCTNCC CCGACGGCGG CTCATCGGGT CTGCCATTAA	120
TGACAGGNCT GTTAANGCTG TGGGGACAAG AGCCAGCCGG GAAATTTTTC CACTGGNNTT	180
NTAGGCATGG GGG	193
(2) INFORMATION FOR SEQ ID NO:840:	
<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 491 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:840:	
GGCAGAGAAG ACTTCAACTC TNTCGGATGC TCAACCTCAC TGACCGGCAA GTNAAAATCT	60
GGTTCCAGAA TCGCAGGATG AAAGAAAAGA AACTGAACAG AGACCGTCTG CAGTATTTCA	120
CTGGGAAACC CCTTATTTTG AAGAGCTCCA GGTAAGCGCC CTCACCCCAG CCCCACTCAC	180
CCACCCTCCT TCCCACCAGC CTGCTCTCCG CAGCCCCACT GTCCCTTGGG TTTAATGAAC	240
GTCTCTTCTT CTGTGGGAAT TTCACGATTC CTTCCCACGG TCAACTCGGG GACCTTCCCA	300
GCGNACCATT GCAGCCTGCG GGANGAGGCC GGGGANTTGG CCGAGNNGGG TTCNTANTAA	360
GGGGGGAAAA TTGGGGGCCT GGGAGATTCC ACAAGGAGGG GCGGGGTTNA AGNTTNCCAA	420

AAGNCCGGGT TTTTNANCCA ANAGGNCCGG GTTACCTTTT TTTTTNCCAA AATGGGTTTT	480
TNATTAGGGG G	491
(2) INFORMATION FOR SEQ ID NO:841:	
<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 489 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	· ·
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:841:	
CGGAAANTNT GGGTNCCCCG GGNCTGCAGG AATTCGGCAN AGGGGTACTG AACGCGGTTC	60
TGGGAGCAGC AAGCCCACGG GTAGCAGCCG AGGCCCCAGA ATGGCCAAGT TTCTTTCCCA	120
AGACCAAATT AATGAGTACA AGGAATGCTT CTCCCTGTAT GACAAGCAGC AGAGGGGGAA	180
GATAAAAGCC ACCGNCCTCA TGGTGGCCAT GAGGTGCCTG GGGGCCAGCC CGACGCCAAG	240
GGAGGTGCAG CGGCACTGGC AGACCCACGG GNATTAGACG GAAATGGAGA GCTGGGATTT	300
NTCCACTTTT CTGTACCATT ATGCACATGG CAAATANAAC AAGAAGACCC AAAGGAAAGA	360
AATTNTTTCT AGGCCCATGT TTTGGATGGG TGGGGACCAA GGGAGGAAGG ANAAGGGTTT	420
AACGGTTCAT GGGGNGTTCC GAACCCTGGC GGNTTCCAAA AAANACTTNA ACGGGGGTTC	480
TTTGGGGGG	489
(2) INFORMATION FOR SEQ ID NO:842:	
<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 426 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:842:	
GGCAGAGNAA GGAGCCCACC TGGAACTTCT GGAAGTACCT AGTAGCCCCA GATGGAAAGG	60
TGGTAGGGGC TTGGGACCCA ACTGTGTCAG TGGAGGAGGT CAGACCCCAG ATCACAGCGC	120
TCGTGAAGGT AAGCTCATCC TACTGAAGCG AAGAAGACTT ATNAACCACC GCGTCTCCTC	180
CTCCACCACC TTCATCCCGC CCACCTGTGT GGGGCTGGAC CAATGGCAAA CTTCAAATGG	240
GTGCTTTCAA AGGGGAGGAG ACCCACTGGA CTCTCCTTTC CTTTGACTTC TTNATGGCCA	300
TTGGGTTCCC CATNATTTCT TTGTGGGGGG GAAAAATTTC TTAGTNATTT TTGGATTNAA	360
TTTTTGGAAA TTCTTTTAAC CAGGCAAACC AAAATTAGGG GGAAACTTNC CCTNGGGGGN	420

CCCAAT

426

60

(2) INFORMATION FOR SEQ ID NO:843: (i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 386 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: double (D) TOPOLOGY: linear (xi) SEQUENCE DESCRIPTION: SEQ ID NO:843: GGCAGAGGNN ACATCTCCGC CAGCAAGATG GAGAAGGCGG CACANCGNAG GGCCAGGGCC ACGGCATCCA AAGCCACACG CTGCATCAGC CTGGGCTCTG GGACCTGAGG GGGCATGAAA 120 CCCGTGGGGA TGTCGCCAGC CACGCTCGAG CCAAAGNGCT TGTGGAGCTG NCCGAAGTGC 180 GACACGAGTN TGGCCACCAC GATNTACCAG CAGCTCCGTG GGNAGCGGCA CCCTCAGGCG 240 GTGTCGGTAG CGGTCTGAGA GCTTCTTCGC GGCTNGCAGC ACCGCCAGCA CACCGTGNTG 300 GTGGACCACG TCGCACAAGT TGGCCTGCCC GGTGCCNGCA AAAGTTTCAG CCATGTNAAG 360 386 GACCACCATG NCGGGNCCTT GTTGCC (2) INFORMATION FOR SEQ ID NO:844: (i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 130 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: double (D) TOPOLOGY: linear (xi) SEQUENCE DESCRIPTION: SEQ ID NO:844: TGGCACGNAA NTGGAGAGCC GGCAGCCAGG CAAGGCCACT GAATTGCCNG GGAGCCGGGG 60 NCCAATTCCA CNAACACCAG CCCAAACTGA AAGTCCCTCT TCCTTCCCCT GNCTGGNGCT 120 130 GCTCCGCCCT (2) INFORMATION FOR SEQ ID NO:845: (i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 181 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: double (D) TOPOLOGY: linear (xi) SEQUENCE DESCRIPTION: SEQ ID NO:845:

GGCACANTGA ATGATCCTGG GGGAGCNTTT GNCCACCCAG GGCCCTTATA ATTTTGGNTC

GGGGGAAACG GCCCGCGCA TACAGGACCT CATCCCGGTC CTGCTGCGGC ACNGTCTGTT	120
TCCCCCACCC AAGGAGACCT ATGCCCTGCA CCGNAAGCNG GCAGGGGCTT TCNTGGCCTN	180
T	181
(2) INFORMATION FOR SEQ ID NO:846:	
<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 167 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
	. '
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:846:	
GGCTGNGTAG GGAACAGAGG AGGCCGAAAT CCCTCCCCA TGATTCCTCA ACCNTTGTTG	60
GNCAANGGCA TCTTTNATGG GTACAAGGGA GAGGCTTCTG GAAGAAGCTC CCTGNACACA	120
NTACAGGTGC CCTTTTCCAA GGGCAAGAGN ANTTTGGGCT TCCATGG	167
(2) INFORMATION FOR SEQ ID NO:847:	
<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 331 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	,
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:847:	
GGCANAGCTC GAGGCTGTGA ATGCTCACAC AGCGCCTGGG AAAGGGGATN AACTCAGAGN	60
TGCCTTTTTG GGTTACTTTT GTNCTGAGGT AAGAGAGGGC AGCAAGTGGA CCCCGATGGG	120
CTGCAGAAGC CGGTTCGCAN CAGGGACTGN TTACATAAGT TTTGGCAGTG AACCCCGGTG	180
AAGTNTGGTG TTCCTTATGA AACCCTGCTT TCCACAGTTG AGCAGAAGAC ACCACAAATN	240
AAGNAGGGNA GCCCCTCCCT TCACTGNAGT GGGAGTNTTC AATGGGGACG TTTGTGAACT	300
CTGCCCTTGG GGACAATTTG TGACTGCTTT T	331
(2) INFORMATION FOR SEQ ID NO:848:	
<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 134 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	

⁽xi) SEQUENCE DESCRIPTION: SEQ ID NO:848:

TTAGAGTAGA GATGTAGCTT GANATTTTGA GAGGCTGAGG TGGAAGGATT NCTTGAGCTC	60
AGGANTTTAA AACCAGCCTG GGCAACATAG TGAGATGTTG TCTNNANTAA AAAAAAAAAA	120
AAAAAAAAA AAAA	134
(2) INFORMATION FOR SEQ ID NO:849:	
<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 207 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:849:	
GAGCCCTTNA ATCTAACTTC GAAGCCCTCG GACTACGCTC TGGACCTNAG CACTTTCCTC	60
CAGCAACACC CGGNCGCCTT CTAAACTGTG AACTCCCCGC ACTCCCCAAA AAGANTCCGA	120
AAAAACCACA AAGNAAACAC CAGGGCGTAC CTGNTCGCCG AAGAGCTAAT GCCCCAACTG	180
GGAACTTCCG AGGTCAACTT GNAACTN	207
(2) INFORMATION FOR SEQ ID NO:850:	
<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 378 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:850:	
GGCANAGGAG AAAGCAGCAT CAGGTAGACT ACATTCTTAA AACCTGGACC CCTCCTNAGG	60
TCCTTAAGGA TTACTACGCG GNAGGCTGGC ATCATCACGA CAAAGAATGG GCGGCCCCTC	120
TACGTGCTCA GGCTGGGGCA GATGGACACC AAAGGCTTGG TGAGAAGCGC CTCGGGGAGG	180
TAAGCCCTGC TGAGAATTAC GTTCTCCCA TAAATGAAAG AAGGGGCTAA GGCGAATGCG	240
AAAGAGGAAT TACAAAANTT TTTGGTCGGC CTATTCAGCT TCATGGGACC TGCCTGGTGG	300
GACTTGGGAA GGGCTGAACA TGCGCCCACT TTTGGGAGGA CCTGGTTTNA AAAGNCCTNT	360
TGGGGATTCA TCNNGGTT	378
(2) INFORMATION FOR SEQ ID NO:851:	
<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 198 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:851:	
TCTAGTGCTG ACTGGTCCCC AANGTCCCCC TGGNTCTACT GGTGCTCCTG GCAAAGAATG	60
GNCTCAACGG TCTCCCTGGT CNCCATTGGG CCNCCTGGTC CTCGCGGTAG CACTGGATGA	120
TGCNGGTCCT GTTGGTCCCC CNGGGACCTA NTGGACCTGC TNGTCCCCTG GTCCTCCCGG	180
AGATGGTTTC GACTTNAG	198
(2) INFORMATION FOR SEQ ID NO:852:	
<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 478 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:852:	
TTCATTGCCT TTGCCCAGAA CTGGTGCATC AAGCGGCGGT CGCAGTCCAT CTACCTGCAG	. 60
GTGCTGACTG ANAAGCATGC CCCTGAGCAC TACAGGGTGC TGGGCAGTGT GTGCCAGTTT	120
AAGGAGTTTG GCCGGGCTTT CCACTGTCCC AAGGACTTCA CCCATGNAAC CCTGCCCACA	180
AGTGTTCCGT GTGGTGAGCC TGGCTGCCCG CCTGCACGCC CCCACTGCCC CCGCACGAAT	240
NACCTCCTGG TGGCTACCGG GGCAGGCATG CAACCGGTGC CAGNCCCGTT TTNGGGNACC	300
ACCTGNTTTT CCAGCCCTTN CAGANCCGGT NCCNCTGNTG GCCCTTGAAT TTAAGAGGGG	360
CTNGGAAGCA GGTTAAGGTT GGGATTTTGG GGGGGTTTTN AGGGGAATTT AATGGGGTTC	420
CNAATTTTTG TTTTAAGGGG GCCAGANCTT TTGCAAAGTT GGNTTTTAAG GGGCCCAN	478
(2) INFORMATION FOR SEQ ID NO:853:	
<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 265 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:853:	
GGNAGAGGTA TCCGCAGTGT NCTGGAACGG CCCTGTCCTG AGCAACATTA ACCGGATTGG	60
AGCAGACCAT GTCCAGAGCC TCCTCCTGAA ACACTGTGCC TCCTGTNCTG GCAAAGCTGC	120
GCCCACCGCC TGAAAAATNA GGAACGCCTA TCGGGCAGAA TTCGGGTCCC TTGGGCCCCT	180
GCCTCTGCCT CCCNAGGTGG TCAAGGCTCG GGCCCCAGGC TGCTCTGCAG NCTNCAGCAG	240

GTNAACAGGA CCACTCTGAA CCATN	265
(2) INFORMATION FOR SEQ ID NO:854:	
<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 416 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:854:	
AAGTCGGACA GGGGCCATGA CAAGTCGGAC CGCAGCCATG AGAAACTAGA CAGGGGCCAC	60
GACAAGTNAG ACCGGGGCCA CGACAAGTTT GACAGGGATC GAGAAGCGTG GCTATGAACA	120
AGGTAGACAG AGAGAGAGAT NTAGACAGGG AACGGGAATC GGGAACCGCG GGTATGAACA	180
AGGCAGACCG GGNAAGAGGG CAAAGTAACG GCGCCACCAT CGCCGGGNAG GAGCTGGCTC	240
CCTTATTCCC AAGAGCCAAG ATGGCAGTTA GNCGANAAGN TTGAAAGAGT TTAGACCCCA	300
TGGACCCTAG CTTCATACTT CAGACGCCC CCCGGGGCAC GTNGTTCAAA CAGGANTCCC	360
CAAGCGGNAT TTAGGCCCAG NTTTGGGGGT TGACACCACA GCAGTTGGNC CCTTTT	416
(2) INFORMATION FOR SEQ ID NO:855:	
<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 316 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:855:	
GGCACCATAA AGGTTGTCCA ACTAATCTTN AAAGCTGAAT TTCCATTGGG AAGGGAATTC	60
TTTCCCGAGT TCATAAGTNG CCTTTCCATC TTCCCATCGA GTATTTGGNA ACTCTCTNAA	120
GGTTCTCTCC ACTTTCCCAG GCTTTTCCAA TCTGGTCGGC GTATACCTTC TCCTTTGGAT	180
TTCCAAAAAT TGCTTCATAT ACAGCCTCTA GTGTGTATGT NGGGAAGATT TAATTGTGCC	240
TTGTNAATTA CATGGATACA AGTGGAAATG TATTCTTGCC CNTGAACTTC TGACAGCCGT	300
	316
TNATATCGCC TNTTCC	310
(2) INFORMATION FOR SEQ ID NO:856:	
<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 309 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	

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(xi) SEQUENCE DESCRIPTION: SEQ ID NO:856:	
GAAGGCTTCG GNCACGCAAC GAAANTACAA GGTAGTGGNT CCTTCCTTGC C	CCACCCCAA 60
NTCCAACAGG CGGCCCCTTT ACCGCTTGAA AANTTTTTCG CCCTAATCCA T	rgtggtcncc 120
AAGTCCCGNT TCTGAGTACT TTNTATCTAA TTTNAAAGAA GATGAAGAAG T	TTTTCAGGGG 180
NGATTNTTTT ACTGTGGGGC ANGTNTTTTG AGAAAGTCCC CCTGGGGGTG A	AAAGAACTTC 240
GGGATCTGGG NTGGCTATGA TTNCGGGGAG GGGGNACCCA CACTTGTTNC C	CGGGNATTAC 300
GGGGACCTT	309
(2) INFORMATION FOR SEQ ID NO:857:	
<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 325 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:857:	
AAAACTAGTG GATCCCCCGG GCTGCAGGAA TTCNGCAGAA GTTTTACTCN C	CCAACTTNAT 60
CATCCAAATG CAAGTGANCA AANAGGCCCC CAGCTCTGGC CATCACGTAT A	AGCATCACCT 120
TCCTCCTCTT CCTCCTNATC CTTTTTGTCT GCTTCTAAAA GGACCTGAAT G	SAGGTGTGTC 180
CTGAAGGCCC CANGAATGCT GCACTGGCTG CCTGCACTGT NTGGCCTGGT G	GGCCACACGA 240
ACCAGGACTG AGAATAGCCT TGGGCACCGN CACCATCCTC CTTGTNTTTG G	GCCATGGGCC 300
ATTAACCAGN CTGTNCTTTT TTNCC	325
(2) INFORMATION FOR SEQ ID NO:858:	
<ul><li>(i) SEQUENCE CHARACTERISTICS:</li><li>(A) LENGTH: 345 base pairs</li><li>(B) TYPE: nucleic acid</li><li>(C) STRANDEDNESS: double</li><li>(D) TOPOLOGY: linear</li></ul>	·
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:858:	
GACCTATTGC TTTAANAACA AGGCCCTCTA TNANATCTCC TTCCCCACTC T	PAAAGCTAAC 60
CACACCAACC TACGGGGAAT CTGAANCCAC CTTTTTTNAG CNACCATGAA N	TGGTGTNAA 120
CCNCTGNCTT CCTTTTCCTT GGCCAGCTCC AATGCTGACC TCCGCAAGTN G	GGNCAGTNAA 180
CATGGTCCCC TTCCNACGTT TCCATTTTTT TATGCCTGGT TTTGCCCCTT T	PAAACCAGCC 240

GTGGNAGCCA GCAGTTATCG AGGNTCTCAN AGTGGCCGGN AACTTNACCC AGCCAGGTTT	300
TTCGAATGGC CCAGGAACAT GATGGGCTGN TCTGTGAACC CCGGG	345
(2) INFORMATION FOR SEQ ID NO:859:	
<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 139 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:859:	
ATCCCTCTTT GTCTACAGAG TTGTNGAATG CTCCACCGGG ANGGGGTGGG CAGTTNTCCC	60
CTTTGGGGAT GTTGNGNTTG TGGGGAAACC ACTTCCCCGT TTGCTGGACT TAGGGGCTGG	120
TTTGGGNGAA ATTTTTTGT	139
(2) INFORMATION FOR SEQ ID NO:860:	
<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 191 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
,	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:860:	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:860: ANAGCAAAGA GCAGGTGGCC AACTNACCTT TTTTGGAGCA ATTCGGNAAA CGGGGCTTCA	60
	60 120
ANAGCAAAGA GCAGGTGGCC AACTNACCTT TTTTGGAGCA ATTCGGNAAA CGGGGCTTCA	
ANAGCAAAGA GCAGGTGGCC AACTNACCTT TTTTGGAGCA ATTCGGNAAA CGGGGCTTCA AGGTGGTATA TATGAACCGN GCCCCATTGN ACGATTACTG TTTGCAGCAG CTNCAAGGGA	120
ANAGCAAAGA GCAGGTGGCC AACTNACCTT TTTTGGAGCA ATTCGGNAAA CGGGGCTTCA AGGTGGTATA TATGAACCGN GCCCCATTGN ACGATTACTG TTTGCAGCAG CTNCAAGGGA ATTTNANTGG GGAAGAGCCT GGGNCTGCAN TTAACCAAGG AAGGGTCTGG GAGCTGGCCT	120
ANAGCAAAGA GCAGGTGGCC AACTNACCTT TTTTGGAGCA ATTCGGNAAA CGGGGCTTCA AGGTGGTATA TATGAACCGN GCCCCATTGN ACGATTACTG TTTGCAGCAG CTNCAAGGGA ATTTNANTGG GGAAGAGCCT GGGNCTGCAN TTAACCAAGG AAGGGTCTGG GAGCTGGCCT GAAGGATGAG G	120
ANAGCAAAGA GCAGGTGGCC AACTNACCTT TTTTGGAGCA ATTCGGNAAA CGGGGCTTCA AGGTGGTATA TATGAACCGN GCCCCATTGN ACGATTACTG TTTGCAGCAG CTNCAAGGGA ATTTNANTGG GGAAGAGCCT GGGNCTGCAN TTAACCAAGG AAGGGTCTGG GAGCTGGCCT GAAGGATGAG G  (2) INFORMATION FOR SEQ ID NO:861:  (i) SEQUENCE CHARACTERISTICS:  (A) LENGTH: 319 base pairs  (B) TYPE: nucleic acid  (C) STRANDEDNESS: double  (D) TOPOLOGY: linear	120
ANAGCAAAGA GCAGGTGGCC AACTNACCTT TTTTGGAGCA ATTCGGNAAA CGGGGCTTCA  AGGTGGTATA TATGAACCGN GCCCCATTGN ACGATTACTG TTTGCAGCAG CTNCAAGGGA  ATTTNANTGG GGAAGAGCCT GGGNCTGCAN TTAACCAAGG AAGGGTCTGG GAGCTGGCCT  GAAGGATGAG G  (2) INFORMATION FOR SEQ ID NO:861:  (i) SEQUENCE CHARACTERISTICS:  (A) LENGTH: 319 base pairs  (B) TYPE: nucleic acid  (C) STRANDEDNESS: double	120
ANAGCAAAGA GCAGGTGGCC AACTNACCTT TTTTGGAGCA ATTCGGNAAA CGGGGCTTCA AGGTGGTATA TATGAACCGN GCCCCATTGN ACGATTACTG TTTGCAGCAG CTNCAAGGGA ATTTNANTGG GGAAGAGCCT GGGNCTGCAN TTAACCAAGG AAGGGTCTGG GAGCTGGCCT GAAGGATGAG G  (2) INFORMATION FOR SEQ ID NO:861:  (i) SEQUENCE CHARACTERISTICS:  (A) LENGTH: 319 base pairs  (B) TYPE: nucleic acid  (C) STRANDEDNESS: double  (D) TOPOLOGY: linear  (xi) SEQUENCE DESCRIPTION: SEQ ID NO:861:	120 180 191

GCGTGGTGAC CAAGAATGAA GATGCCAGAG GACCATTGTG AATCCGCCGA GACTNATCTG	240
CACTTACATC CGCAAGTGAC AACCGCTTCG AGAAAGGGCN CACAAGAACC NGTTTGTTAC	300
ACCTGTNCCC CCTGNTTTC	319
(2) INFORMATION FOR SEQ ID NO:862:	
<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 484 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:862:	
GGCACGAGCA GAAGTGGGTG CGGGANAGNG CCCANAGCAC CCACTTCCCC GGNTCAAGTA	60
CACACATNAC CAGCTCTTNT TCATTGCNTT TCCCCAGAAC TGGTGCATCA AGCGGCGGTC	120
GCAGTCCTNC TACCTGCAGG TGCTGACTGA NAAGCATGCC CCTAAGCACT ACAGGGTGCT	180
GGGCAGTNTN TCCCAGTTTA AGGAGTTTGG CCGGGCTTTC CACTGTCCCA AGGACTCACC	240
CATGAACCCT GCCCACAAGT TTTCCGTGTG GTGAGCCTGG NTGCCCGCNT GCACGCCCCC	300
ACTGCCCCC NACGANTNAC CTCCTGCTGG NTTACCGGGG NAGGNATGCA CCCGGTGCCA	360
GNCCCGTTTT GGGNACNACC TGTTTTCCAG CCCTTCCAGG ACCGGTCCCC TTGTNGCCCT	420
AATTTNAGGA GGGGCTGGAG NAGGNTNAGG TGGATTTGGG GGGTTTAAGG GAATATAATG	480
GGGT	484
(2) INFORMATION FOR SEQ ID NO:863:	
<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 340 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:863:	60
GGCAGACCTT GANCCCAGGA GTTTAAGGCT GCAGTNAGCT ATANTNATGC CACTCCACTC	
CAGCATGGGT GAACAGANCA ANACCCCATC TTTAAAACAC ACACACAGAT CATTATCAGA	120
ATGTACANTA ACACTGAATG TNTTTGAAAA CTCTGTTCCT TGTTTTATAT TGGCTGCTTC	180
TGGCATATTC ACTATTTTCC CATGAGNATC CAGTATTGAT GAAACTNTAT TTTTGGTAAG	240
TGAGATGAAC GATGTNAAGA TTGTGCCATA GAGGCGGGCC ATGGCGGCTC TGGCACTTTG	300
GGAAGGCTGA GGCGGGTGAN CTGCCTGNGC NCTGANTTCG	340

(2) INFORMATION FOR SEQ ID NO:864:	
<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 291 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:864:	
AATNACCGCG GACGATCAAC AGCAGGTCGT NATGCAGAAG TCCGGTGAGT GTAANAAGTT	60
GCTCATTGAT CGCCGCATTC GGTCCGTTTT TTGGTAACAA CNGCAATAGC GTTTNTGGAC	120
TGGCAAACAG ACTCATAGCC TGGNATAACG AAAAGATCGC ATTCCAGTNA GTNTTGGGAT	180
NAATGGAAAA AGTGTGGTGT TCTTCGAATC CTTGTGCCCG CAGTTACCTG NACGGAACAG	240
CGTCCTGNTT NNTTCCTGGC AATAACAGAG GNTCGTTTAC CAAGTAAAAA G	291
(2) INFORMATION FOR SEQ ID NO:865:	
<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 197 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:865:	
GCTGATGGAA GTAAATGGGA ATACAGCCAN TTNTTGTACG GNCGCACCTA CGATGTAATG	60
GTGTTCGGTG CGGCAGGGAT TATTTNCCTG GTCGTTAACG GCCTGCTGAC GCTAANGATN	120
CGTNTGAANC GACCGCAAAG NTGGACATTC GAACGGCGAA ATTAATGTGG CTGCGTACAT	180
TCGCCGGGGG GTTTTGT	197
(2) INFORMATION FOR SEQ ID NO:866:	
(i) SEQUENCE CHARACTERISTICS:  (A) LENGTH: 367 base pairs  (B) TYPE: nucleic acid  (C) STRANDEDNESS: double  (D) TOPOLOGY: linear	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:866:	
GGCAGAGNCT GAAAATAAAG ACAAGAAAGC CAGGTCTACT TTAAAATAGT CTTAAGCCAC	60
TATTATTATA TTTTNAAAAT TTAGCCAATA ACTTCTAACT AGAAGCAAAA ATAATAACAC	120

ACGATCTAAT AAAAATACTT GGGAAAACAA AAAGATGAAA TACTTGAAAA CGGACAAACA

GAATTGTGCT TCATATGCAA AAAAATCTAA GTCACTTCCC CATACTGGAA AATCTTAATA	240
GGAACAAAGG AACAGCACCA NGCATTTACT AAGGCCATAC CACGTGGGCA TTAACAATGG	300
AGGCCGTTTA TTGNTTGACC GTTTGNTTGA CTGAGNTGGN GTCTCGNTCT GTTCACACGG	360
TTGGGGT	367
(2) INFORMATION FOR SEQ ID NO:867:	
<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 121 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:867:	
TGGNAGGCCA AGGCGGGCGG ATCTCCTGGG GTTGGNAGTT CACGACCAGC CTNACCAACA	60
TGGNAGAAAT CCCGTCTCTA CTAAAAAAAAA AAAAAAAAAA	120
	121
T	
(2) INFORMATION FOR SEQ ID NO:868:	
<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 411 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:868:	
TGGAAAAACT GTATCAGGCG CAGNGCTNTA GCCAACAAGA AAGNCACCAN CTGTTTTNAG	. 60
GNTGNTGCGT GGCGAGCTGA AGCCGGAACA ACTGGCGGCG GCGCTGGTGA AGCATGAAAA	120
TTCGCGGTGA GCACCCGANC GAAATCGCCG GGGCAGCAAC CGCGCTACTG GGAAAACGCA	180
ACGCCGTTCC CGCGCCCGGT TTATCTGTTT GCTGATATCG TCGGTACTGG CGGTGNAGGC	240
AGCAANCAGT ATCAATATTT TTNACCGCCA TGCCTTTTTC GCCGCGGCCT GTGGGCTTGA	300
ANTGGGCGAA ACACGGCAAC CGTAGCGTTT TCCATAAATT TGGTTCNTTC CGTTCTGCTG	360
GCGGCGTTCG GTATTAATCT TTGATNTTGA ACGNCNNTTA ATCGGGCCAG G	411
(2) INFORMATION FOR SEQ ID NO:869:	
<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 461 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:869:	
CACTACCGGT ATCCAGCACC TTAAGCNTGA CGTGTTCCTG ATCCACTTCG GCGCTTAGGT	60
GNATGCAACC GCTCTCGGGG GTAAAATCGA TGGCGTTATC CAGTAAATTT CCCAGCGCCT	120
GCTCCAGTGA ACGCCGGTTC AGCAGCAACG TTAACCTCGG TGGGCGTAAC ATGCAGAGTG	180
ATTTTTTTT CTGCCAACTG CACGGTGCGC GCTTCGCTGA CGCGGCGGGA ATNAATGCCG	240
CCACATNCAA CAGCAGTNCA GAACGACTTC CTGGACGATT CTCCAGTNTT GCCTGGNGTA	300
GTAACGTTTC TACCAATGCC TGCAAACGNG CATTTTGNGT CAAAAGTTGT TCATGAAANG	360
GGCCACCATT TTCGGTGGNG GACCTTCGGG TAAAATTTNC GNCGTTCCAG AATTCGCCGC	420
CATGGGGTTT TTTAGCTCCT GAGTTAATGC GTAAAACATT C	461
(2) INFORMATION FOR SEQ ID NO:870:	
<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 369 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:870:	
TTGGCACGGA CTTTACCGTT AACCTGCACC ACGACCAGCG TGNAGTCTTN CACCATCGCT	60
TTTTCGTCAG CAACCGGCCA CGGCGCGTTG TCGATATCGC CTTCGCCTTT NAGTTCCTGC	120
CACAGCGTGA AGCAGATGTN CGGGGTGAAC GGGTTAAGCA TACGGACAAC GGCCAGCAGT	180
GCTTCCTNGC ATCAAAGCGC GATCCTGCTC GCCATCGGTT GGTGCTTTCG CCAGTTTGTT	240
CATCAGCTNN NNNNNCGNCG CAATTGCGGT GGTTTGAAAG GTCTGACGAC GGCCGATATC	300
ATCGGTCACT TTAGCGGNTC GTTTTATGCA CATCGGAGGG GGGGGCCCGG TNACCCANTN	360
CGNCCTTAT	369
(2) INFORMATION FOR SEQ ID NO:871:	
<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 392 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	

	•
AGGCGTTTTT AACTATCATG CTTGGCGCGT TTACTTTCGG GGAGCGACTG CATGGCAAAC	120
AATTGGCGGG GATCGCTTAG CGATTTTTGG CGTACTGGTG TTAATCGAAG ATAGTNTGAA	180
CGGTCAGCAT GTGGCGATGC TCGGCTTTAT GTTGACCCTG GCGGCACATT TAGTTGGGCG	240
TGTGGCAACA TCTTCAATAA AAAGAATCAT GTCGCACTCA ACGCGTCCGG CGGTGATGTC	300
GCTGGTAAAT CTGGAGCGCT TTTAATCCCA ATCATTCCCT TCTTTGGTNG CCTCGCTGNN	360
TCNTCGGATG GGTTCCGCAA CCAGGNTTCA CA	392
(2) INFORMATION FOR SEQ ID NO:872:	
<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 496 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
GEO. TD. NO. 972	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:872:	60
TTCCGGTCTN ATCCAACAAG CCTGCATTCC GCTGCGAATT GCCCCACCCA CGTNAGTGNA	120
GAATCGTCCC CAACATGTAA GATCTCGCCG ATCGGCACGT TGAGTTTTTC CGCAGCCAAA	180
AAGTACATAT CGCTGAACGG TTTTAAGCGC CCGTGCGGGC CAGCGCGCAN ACAAAACTCA	
AAATAATCCC CCAAACCAAA CAGCTCCGGC TGGGNCGTTA CCGTTGGTGG ATCGCCACCA	240
GCGGCCATTT CTTCGCCAGC TGTTTTAAGG TGTCGTGAGT TTGCTGCGGG ACGTTCGAAT	300
TCGGCTGCGN CATTTGGCAA AAGTTGGATT CATTGGCTGC GTGTGGCNCC TTGNATGGGG	360
CTTTCTTTCG GGGCANTCAG CCCGGNNGNN GGNGCAATNG TTTGGTTTCA ATTCGGAACG	420
TAAAACGGCC AACGCGGTTC AAGGTCGTGA TNAAATTTTG GGGGTTTCCC GTTTTCCNNT	480
AACCGGCTGG NGGCAG	496
(2) INFORMATION FOR SEQ ID NO:873:	
<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 329 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:873:	
ATGGTCTCGC CGATAGTCAG GTTAAAGTAC TCTTTGAACA GCCAGAAGCC CGGTTCGTTC	60
ACATGAGAGA AAATGACACT ACCGGAACCA ACCGCAATAA CCATCAGCTC CGGGNTAACA	120

CCCGTGGTTG CCAATCAGCG GTGCCGCGAT ACCACCCGCA GTGAATTNCC GCAACGNTTG

CGGGAACCCA GCGCGATACG CATACGGNCA GCAATCGACC AGGCCATCAG CAGCGGGGGA	240
AATGTTGGTT TTCGTGGCAT CCATGGANGC AATGTTATTT TTTTCCACGC CGTTNTTNTN	300
CCCAGCAACC TGTTTTGAAA CGGNACCCG	329
(2) INFORMATION FOR SEQ ID NO:874:	
<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 347 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:874:	
CTTNATGCAC AACGGCTTTT TCCTGTNCCG GCTTAACTCC TACAGTNAGA TCTTTTCCAG	60
TNAAGTCTCC GGCGTGGCGT TAAAACGCTT CTTTAACTTT TNNATCCCGG CGAATGCTGG	120.
TGGTCTACTT TCTGNGCCCA GGGACAGCAA AGNTNGGCTG TTATTTCCTC GTNAGCACGG	180
TCGCCTTTGG CTTGGCTGAC TTANATGAAT TGTGNGGCGN GCACTNCGNC CCAATATCAT	240
CATCGCATTC GCTAATCTTC CTGTTTATTG GGCATTATTC GCGGGCTGGG ATTTCGTTGT	300
GGGATGCNNG GNCNGCGGGC GGGCGTGCNT GGGGGATTTT TTGGGCA	347
(2) INFORMATION FOR SEQ ID NO:875:	
<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 457 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:875:	
CGTTNTCGCG CAGGTTTTNA ACGCGCCTAA NTAAAATNAT GACCAGCTAT GTGGTTGGGC	60
AGGCGCTTAA GGCCGATAAG ATTAAACTCA CCGATATGGT GACGGTCGGT AAAGATGCCT	120
GGGCGACGGG AAATCCGGCA CTGCNTGNTT TCATCGGTAA TGTTCCTCAA ACCGGGCGAT	180
CAGGTTTCGG TGGCAGACTT GAACAAAGGT GTGATTATCC AGTCCGGTNA ATGAACGCCT	240
GTATTGCGCC TGGCTGATTA CNTTGCCGGG NAGCCAGGAG TNCATTTTAT TGGTCTGATG	300
AATGGTTATG CCCAAAAACT GGGTCTGNAC CAACATTACC TTCCAAACGG TGGCACGGGC	360
CTGGTTTGCG CCCGGGGCAT TTCAGNACCC GGCGGGAATT TTGGCATTNC TGGGTAAAAG	420
CNTTTTTCCC CGGTTTNCCC GNAGAGTACG CCTTTTT	457
(2) INFORMATION FOR SEQ ID NO:876:	

(B) TYPE: nucleic acid (C) STRANDEDNESS: double (D) TOPOLOGY: linear	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:876:	
ACTGGNTCTC GGCTGCCCTN TTGAAGANTT TAACGCATTT TGNNATGCCC ATCCCGATCG	60
GACTGTCGTC GTCTACGCCA ACACTTCTGC TGCGGTAAAA GCGCGCGCAT ATTGGNTGGN	120
AACTTCAAGC ATTGCCGTCG AACTTATTGA TCATCTTGAT AGTTTGGGNN GAAAAAANCA	180
NCTGGGCACC CGACAAACAN CTGGGGCGTT ACGGGCAAAA ACAGACGGGT GGGAGACANT	240
CTATGCTNGT CAGGGTGCCT GTTTTNGTGN CATGGATGAA TTTAAAGTCT TCAGGCGTTG	300
AACCCNCTT	309
(2) INFORMATION FOR SEQ ID NO:877:	
<ul><li>(i) SEQUENCE CHARACTERISTICS:</li><li>(A) LENGTH: 399 base pairs</li><li>(B) TYPE: nucleic acid</li><li>(C) STRANDEDNESS: double</li><li>(D) TOPOLOGY: linear</li></ul>	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:877:	
TATTTTTGCC GCATGCAAAG GTTTCATTAC ACTATTAACT AACGGTGTGC TATCCGTTTC	60
TATTTTTGCC GCATGCAAAG GTTTCATTAC ACTATTAACT AACGGTGTGC TATCCGTTTC TGGGAAAGTA AGAAATATTG TCAACATGAA GCCGGCGCAC CCATGGNAAG CTGAAGAATA	120
TGGGAAAGTA AGAAATATTG TCAACATGAA GCCGGCGCAC CCATGGNAAG CTGAAGAATA	120
TGGGAAAGTA AGAAATATTG TCAACATGAA GCCGGCGCAC CCATGGNAAG CTGAAGAATA TTTGTGAACT GCCTGTACAT CAGTGAAAAG CCTGTTGAAG AAAAAACTTA AGCAAGAGCA	120 180 240
TGGGAAAGTA AGAAATATTG TCAACATGAA GCCGGCGCAC CCATGGNAAG CTGAAGAATA TTTGTGAACT GCCTGTACAT CAGTGAAAAG CCTGTTGAAG AAAAAACTTA AGCAAGAGCA AACGAACATT CTCACAGATT CTTTTAGATG CAAGAATGCA GCACGCAAAA AATTTGGTTA	120 180 240 300
TGGGAAAGTA AGAAATATTG TCAACATGAA GCCGGCGCAC CCATGGNAAG CTGAAGAATA TTTGTGAACT GCCTGTACAT CAGTGAAAAG CCTGTTGAAG AAAAAACTTA AGCAAGAGCA AACGAACATT CTCACAGATT CTTTTAGATG CAAGAATGCA GCACGCAAAA AATTTGGTTA CGCGTGGAAG GTTCCAGTNC AATAAAATTG CCGAACAATG TGGTTATGCC ATACATCTTA	120 180 240 300
TGGGAAAGTA AGAAATATTG TCAACATGAA GCCGGCGCAC CCATGGNAAG CTGAAGAATA TTTGTGAACT GCCTGTACAT CAGTGAAAAG CCTGTTGAAG AAAAAACTTA AGCAAGAGCA AACGAACATT CTCACAGATT CTTTTAGATG CAAGAATGCA GCACGCAAAA AATTTGGTTA CGCGTGGAAG GTTCCAGTNC AATAAAATTG CCGAACAATG TGGTTATGCC ATACATCTTA TTTTATTTAT GCGTTCCGCA AACATTTCGG NAACATTCCG AGGGGGNTTC TNAGGGGTTA	120 180 240 300 360

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:878:

•			•
CATTGGCAAA GAAGAAGCCA ATCGGTGCGC CCAGCTGCGG	AAAGGAGCCA	TACAGTGCAC	60
GTTTGCCCGG TGGGGCGTTT TCAGTCGCCA GCAGCGCCGC	GCCGCCCCAT	TCACCGCCTA	120
AGCCCAGACC CTGACCAAAT CGAGCCAGCG CCACAGCAGC	GGGGCGAAAA	TACCAATCGT	180
GGCATAGCCC GGNCAGCAGA CCAATCACCA CGGTCGAAAT	CCCCATCGTT	AGCAACGAGG	240
CGACCAGCGT CCCCATTACG AACGGNTGTT CCCTCGTGNG	GACGTTTTTC	AANGACCGTT	300
GGNCNTGAAA TTGTGGGTTC AGCAAAAACG GCAGTTTG		· .	338
(2) INFORMATION FOR SEQ ID NO:879:	*		
<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 390 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>			
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:8	79:		
TCCTGGCAGA TGTCCGCGGA TATCCGCNAG CCCCAACANT	TCGAAGAAAC	TTTNCTAATG	60
CAGGCTCATT TNTTTNGCNC TGAGATAAGC CGGANTGCTT	TCTCCGGCAT	AGGTTCGCAG	120
CGTTCCAGGT TCCAGCCCGT AGTCAATNCG CATCGAGAAT	CAACANATGG	CTGGNGCTTT	180
CAANATACCC CAGCAAGTTC AGTCCCTNAN TACCGCCATC	GACAATNTCC	ACATACTCGG	240
GCCAGTGGTA ATGGGCATAC AGCCGTTCCG NCACCCGNAC	GNCGAAGCCT	TCATCGGCCC	300
ACAGCAGGTT GCCCAGCCCC ATGACCACCA CGGTTTTNNT	CGNTTCATGA	AACGGTTCCT	360
TGTTAAATTT ATTTTNNCCA AATTTTTGGG			390
(2) INFORMATION FOR SEQ ID NO:880:			
<ul><li>(i) SEQUENCE CHARACTERISTICS:</li><li>(A) LENGTH: 394 base pairs</li><li>(B) TYPE: nucleic acid</li><li>(C) STRANDEDNESS: double</li><li>(D) TOPOLOGY: linear</li></ul>			
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:		, maaaa aaaaa	60
CGTNAGCAGC CTGTNGCTTT ATACCGGGGC GATTCTGGA			60 120
GGAGCCGAAA GANAGCTGGC GTCGCATTAT GGATGAACTC			
CTACCGCGGC TACGTACGTN AAAACAAAGA TTTTNTGCC			180 240
GGAACAAGAA CTGGGCAAAC TTGCCGTTGG GTTCACGTC	_ GGCGGAAACG	TUGUUCAAUC	240

GGCGGCGTCG NAGTCACTTA CGGCGGCATT TCCGTGGNTT CTTTCGGCTG GGACGGCAAA

300.

AACCGTCTTG AANTGNTCCC CGNCTGGGNT TGGGGTGGCA GGTTACGGGC GGNTTGCAAA	360
AAGTGGGTTC GAAGACGGGG CAAAACAGAG CGAG	394
(2) INFORMATION FOR SEQ ID NO:881:	
<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 489 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:881:	
TCGAGTTTTT TTTTTTTTT TTTAATTTGA TGGGATGTTC CTAAACTTCA TCTGCTAATA	60
AATATTTGCC AAATTAAAAT GAGCCTAACT AAATTGAAGA CTAAAATTAT TCAGTGGAGG	120
ACCAGACCAT TTGCTTTATT TTCAGGGTGA AGAAGACCTG GNTTGCTCTA TTCAGGTCTC	180
TTAGAAAAAC AGGCATACAC ATGAGTTTCT AGTATCCTCA GCAACACACT ACATCATACC	240
TTACCCTGGG TAATCCTTCA GAGCACTGTC AGCAATCACC TCAAAATCCC TTCCCTAAAG	300
NCACATACAC TTGGGGGTTT ACTCTTATTC ACCTACTCCT CCCTACTCTT TAACATGGAA	360
TGNNCTCAAG GCTTTTGGGG GGGGNAAAAT TAAAGNATCT ATCCTTTTTT TTTTAAGGTT	420
CCNTTTCAAA AATTGCTTTG GGGGCCCCGT GGNCAGNAGG GGAAACAGGC ACTGTTNAAT	480
AGGTTCCCC	489
(2) INFORMATION FOR SEQ ID NO:882:	
<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 290 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:882:	
GTAAATTTAG CCGCGCCGGT GAACAGACCC AGAAATNAAC GTNCGCNTTA ATCCTCATGT	60
NATTCCTGGC ATGGTACAAG CTGAATCTAT AAGCTTTTTT ACCGGACTCA CCATGCGNTG	120
GTTCCGCAAT GCTTTCTGTG CCGAAGAAAA ACTGATTGCG GAACGTTTAG GCATCGANAC	180
CTATACGCTG CTGGAAGAGA TGGCCATGGG GTGCCGCCTG GGTCGTGGGG GCGTAAATNC	240
NGATCTTTTT NCGACAAAAT GCGGTTTTAA AAACNGGTAT CACGTTGGNG	290
(2) INFORMATION FOR SEQ ID NO:883:	

(A) LENGTH: 369 base pairs

<ul><li>(B) TYPE: nucleic acid</li><li>(C) STRANDEDNESS: double</li><li>(D) TOPOLOGY: linear</li></ul>	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:883:	
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CACCAATGCG GCAGGCTCGC TGCGTCCGGA AGTGGGGGCA GGCAGCCTGG TCGCATTGAA	60
AGANCATATC AACACCATGC CCGGTACGCC GATGGTGGGT CTTAACGATG ATCGTTTTNG	120
AGAGCNCTTC TNCTCACTGG CAAATNCCTA CNATGCGGAA TACCGCGCAC TGTTACAAAA	180
AGTGGCGAAA GAAGAGGGTT TCCCTCTGAC GGAGGGCGTG TNCGTNTCGT ATCCGGGGCC	240
GAATTTCGAG ACTNCGGCGG AAATTCGCAT GGATGCAAAT TAATTGGTGG GGATGTTGTT	300
GGTATGTNTG TGGTGCCTGA NGTTATTTCA GNTCGCCATT GGGACCTTTA AAGTTCGTTN	360
GCGNTCTCT	369
(2) INFORMATION FOR SEQ ID NO:884:	
<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 245 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:884:	
ACGCATTANA CCANTAAAAG CTTCGAGCNT TTACCGACCG GAANTGGCAA TATCAGCAAT	60
CTGCTGAGAA CCAACCCTGC GGTACGTTGG TTTCAACGCA AAGTACCTCG TTAAACCAGG	120
GAGATATTCG CCCTGAGAAA NTNTCTTTTC ACGGTGCGTC GCCCTACCAN ATTGCCTATT	180
TAATTGAGGG GTATTAGTGC AACTAAATAA CCCTGAACCC CAGCGAATNA NTTNCCNATG	240
CCCAT	245
(2) INFORMATION FOR SEQ ID NO:885:	
<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 56 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:885:	

GGCACAGCTA GGCTGGACGN TACTCCGGAC GNAAAGNNGT CATCGTGTAA GAACAT

(2) INFORMATION FOR SEQ ID NO:886:

(i) SEQUENCE CHARACTERISTICS:  (A) LENGTH: 311 base pairs	
(B) TYPE: nucleic acid (C) STRANDEDNESS: double (D) TOPOLOGY: linear	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:886:	
GGCACGAGGA GGACAGCATT GCTGCTCCTT GCACCCCTGG NTGTGGCTAC AGGGCCAGCC	60
CTTACCCTGC GCCTGCCACG TGTGCACCAG CTCCAGCAAC TGCAAGCATT CTNTGGTCTG	120
CCCGGCCAGC TCTCGCTTCT GCAAGACCAC GAACACAGTG NNAGCCTCTG AGGGGGAATN	180
TGGTGAAGAA GGACTGTNCG GAGTCGTGCA CACCCAGCTA CACCCTGCAA GGCCCAGGTT	240
AGCAGNGGCA CCAGTTTCAA CCAGTGTTGC CAGGNGGACT NTGCAATTGG GAAGTTGNAC	300
AACGTTGNAA C	311
(2) INFORMATION FOR SEQ ID NO:887:	
(i) SEQUENCE CHARACTERISTICS:  (A) LENGTH: 283 base pairs  (B) TYPE: nucleic acid	·
(C) STRANDEDNESS: double (D) TOPOLOGY: linear	
(D) TOPOLOGI: Tinear	
(D) TOPOLOGY: Tinear	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:887:	
	60
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:887:	60 120
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:887: GGCANAGAAA CAGCGCTCTG ACCTCTTTAA ACACCACAGA ATCCACACTG GGGAGAAGCC	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:887:  GGCANAGAAA CAGCGCTCTG ACCTCTTTAA ACACCACAGA ATCCACACTG GGGAGAAGCC  CTATGGATGT TCCGTCTGTG GGAAACGCTT CANTCAGAGT GCAACCCTCA TTAAACACCT	120 180
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:887:  GGCANAGAAA CAGCGCTCTG ACCTCTTTAA ACACCACAGA ATCCACACTG GGGAGAAGCC  CTATGGATGT TCCGTCTGTG GGAAACGCTT CANTCAGAGT GCAACCCTCA TTAAACACCT  NAGAATTCAC ACTGGGGNAA AAGCCTTACA AATGTNTTGN AATGTGGGGA AAGATTTAGA	120 180
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:887:  GGCANAGAAA CAGCGCTCTG ACCTCTTTAA ACACCACAGA ATCCACACTG GGGAGAAGCC  CTATGGATGT TCCGTCTGTG GGAAACGCTT CANTCAGAGT GCAACCCTCA TTAAACACCT  NAGAATTCAC ACTGGGGNAA AAGCCTTACA AATGTNTTGN AATGTGGGGA AAGATTTAGA  CAAAGTACAC ACCTTATCCG ACACCAANNA ATTCATCAAA ATAAAGTGCT GTCGGCTGGG	120 180 240
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:887:  GGCANAGAAA CAGCGCTCTG ACCTCTTTAA ACACCACAGA ATCCACACTG GGGAGAAGCC  CTATGGATGT TCCGTCTGTG GGAAACGCTT CANTCAGAGT GCAACCCTCA TTAAACACCT  NAGAATTCAC ACTGGGGNAA AAGCCTTACA AATGTNTTGN AATGTGGGGA AAGATTTAGA  CAAAGTACAC ACCTTATCCG ACACCAANNA ATTCATCAAA ATAAAGTGCT GTCGGCTGGG  CGTGGTGGCT CACGNCTNAT AATCCCAGCA CTTTTGGAGG NCA	120 180 240
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:887:  GGCANAGAAA CAGCGCTCTG ACCTCTTTAA ACACCACAGA ATCCACACTG GGGAGAAGCC  CTATGGATGT TCCGTCTGTG GGAAACGCTT CANTCAGAGT GCAACCCTCA TTAAACACCT  NAGAATTCAC ACTGGGGNAA AAGCCTTACA AATGTNTTGN AATGTGGGGA AAGATTTAGA  CAAAGTACAC ACCTTATCCG ACACCAANNA ATTCATCAAA ATAAAGTGCT GTCGGCTGGG  CGTGGTGGCT CACGNCTNAT AATCCCAGCA CTTTTGGAGG NCA  (2) INFORMATION FOR SEQ ID NO:888:  (i) SEQUENCE CHARACTERISTICS:  (A) LENGTH: 304 base pairs  (B) TYPE: nucleic acid  (C) STRANDEDNESS: double	120 180 240
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:887:  GGCANAGAAA CAGCGCTCTG ACCTCTTTAA ACACCACAGA ATCCACACTG GGGAGAAGCC  CTATGGATGT TCCGTCTGTG GGAAACGCTT CANTCAGAGT GCAACCCTCA TTAAACACCT  NAGAATTCAC ACTGGGGNAA AAGCCTTACA AATGTNTTGN AATGTGGGGA AAGATTTAGA  CAAAGTACAC ACCTTATCCG ACACCAANNA ATTCATCAAA ATAAAGTGCT GTCGGCTGGG  CGTGGTGGCT CACGNCTNAT AATCCCAGCA CTTTTGGAGG NCA  (2) INFORMATION FOR SEQ ID NO:888:  (i) SEQUENCE CHARACTERISTICS:  (A) LENGTH: 304 base pairs  (B) TYPE: nucleic acid  (C) STRANDEDNESS: double  (D) TOPOLOGY: linear	120 180 240



# PHE UNITED STATES PATENT AND TRADEMARK OFFICE

In re the Application of:

William A. HASELTINE, Craig A. ROSEN, Steven M. RUBIN, Patrick J. DILLON, Haodong LI, and Julie EARLE-HUGHES

Serial No.:

Unassigned

Filed:

Unassigned

For:

HUMAN GENES, SEQUENCES AND EXPRESSION PRODUCTS-17

**SEQUENCE LISTING** 

SECTION of sections,

PAGES 460 TO 804

	4.00
TNCATCGNAN TGGGACAAGG ACTGGGTCCC CGATGCCGCC GGCACCAGCC TCTATGTGCG	180
GCCTGTGCTT CATTGGGAAC GAAGCCCTCG NTGGGTGTNA GCCAGCCCAG GNGCGCGCTC	240
CTGTTCGTNA TTCTCTGCCC AGTGGGTGCC TACTTTCCCT GGAGGCTCCG TGNACCCCGG	300
TTTG	304
(2) INFORMATION FOR SEQ ID NO:889:	
<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 50 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:889:	
AGAGAGAGA AGAGAGAGAGAGAGAGAGAGAGAGAGAGA	50
(2) INFORMATION FOR SEQ ID NO:890:	
<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 207 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	,
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:890:	
GGCACGAGCG GCACGAGGAG AAACCCCATA TATGTGAAGN AGTGTGGTAA GGCCTTCAGT	60
CTCCCCTCAA ATNTTCGAGT CCACCTGGGT GTTCACACAG GGNNAAAACT CTTTGAAATG	120
TGATAGAGTG TGGTAAAGGC TTCAGTNCAG GAGTGCACGT TTTGGNAGCC CATCAAAGGG	180
TCCACACTNG GGGAAAAGCC NTACAAN	207
(2) INFORMATION FOR SEQ ID NO:891:	
<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 358 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:891:	
GAAATCCCTC AGCTTTTGTT TGTNTGGAAG TCTTTATTTC TCTTTCATGT TTGAAGGTAT	60
TTTTGCAGAA TATACTATTC TAGCATGAAA GGATTTTNCC CTCAGCACTT GCAGTATGTC	120
GTACCATTCT CTCCTGGCCT GTAAGGTTTT CACTGAAAAG TCTTCTCCCA GACATATTGG	180

AGCTTAATTG TGTGTNGTTT CTTTTCTCTT GCTGCTTTTA GGGATCCTTT CTTTNTTACA	240
GNCCAGTTTT TATCCTTGAC CTTTGGGAGT TTATTAAAAT GCTTTGAGGG TACTTTTGGT	300
TTGGGGTTCC AATCTGCTTT GCTGGCTNCT ATAAACCCTC TNGTNACTNG GGNATTGG	358
(2) INFORMATION FOR SEQ ID NO:892:	
(i) SEQUENCE CHARACTERISTICS:  (A) LENGTH: 169 base pairs  (B) TYPE: nucleic acid  (C) STRANDEDNESS: double  (D) TOPOLOGY: linear	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:892:	
NTATNTNAAT AATGCTTTTG GCACTGATCA CAGAGCCCAA ANATACCATG GTAGGAGTCA	60
ATNTGCCACA GAAGGTTGGT GGGTTTTTAA TGACGAAGGC GCTGAACTAN CTTTNNCAAA	,120
GGCCTTGGAG CGCCCANCAG NGACCCTTCC TGGCCATACC TGGGACGGA	169
(2) INFORMATION FOR SEQ ID NO:893:	
<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 57 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:893:	
TTTTTTTTTT TTTTTTGGG NAACCCTTTT TTTTTTTTTT TTTTTNAANN ANGGCCT	57
(2) INFORMATION FOR SEQ ID NO:894:	
<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 494 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:894:	
GGCAGAGCCA CCATGATGCT GTNATCTTCC TGGCCGAGCA GCTCCCCGGA GCCCAGCGTT	60
GCCAGCACTA TAAGTTCCGT TACCACCAGC AGGGAGAGGG CCAGGAGGAG CCGCCCCTGA	120
AATCCCCATG GGGNCTGCTC GGGCAGAGGT CTATCTCCGG AAGTGNCACC TTTGAACATG	180
TTCAACTTCC TGGCCTCCCA GCCACCGGGT GCTTCCCTGA GGGGGCCACC TGTNAATGAG	240
GAAGAGGATG AGGTGCAGCT TCAGGTTCAA CCAGACGTGN CCACCAGCCT GGGAGCTGCC	300

CCATGGCCAT GCNTTTTTCG TTCACCTTTA AGGAAGNACG TTCCAAAGAA AGTTGTTGGG	360
GTGTTTTACA AGNTTCAGCC CATTNCAAGG GGGGGAGGNC TGGTTTCTTG TTAAGCGGCN	420
AAACATTCGA AGGCGGGGG NAGATTGGTT CATTCGAGGT TAATTCTGGG GCAATTGTTN	480
ATNCCGTTCC GGTT	494
(2) INFORMATION FOR SEQ ID NO:895:	
<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 371 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:895:	
GGCANAGGGA ATGACGTGCT CCACAGGTGT TTGCCACTGA AGGGGGGTAG CCAGTGGCNC	60
CAATGAAACC AGCTTACCTG GCCCAATTCC CACTTTGAAT GATGTCAGCC CCAGAAAGGA	120
TGAGCTCTTC TACCATCTCT CCTGTTACCA CATTCCCTGC CTGAGAACAG AGCAATTGAA	180
ATACAGCATC CTTAGGGCCA GAAACAGGAG GTCATGTATT GTTACGGTAT GCATGGACCA	240
GGACTTTCCA ACATTATTAC AANGAAAGGA TAACTAGGTC CCCTCTTACT GGGGCCCTCT	300
GNAGGGGTTT TNACANTAGC CACTTTTAGA GGAACCCTGN TTCCCTNACC CATTCCAACC	360
CAACAACCAA G	371
(2) INFORMATION FOR SEQ ID NO:896:	
<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 105 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:896:	
TGCAAAAAGG GAGCCAGNAA GAAAGTGGTT GNATCCATTT TCTAAGGAAG ATTGGNATNA	60
TGTGAAAGCA CCTGCTATGG TTCAATATAN GAAATATTGG GAAAG	105
(2) INFORMATION FOR SEQ ID NO:897:	
<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 405 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:897:	
TACAGGGCTC CAAGTGTCTT ATGAGAGCAG GACTTGGGCT GACCATGTCT CTCTGCCCTC	60
ACCCATGCTC TGCTCTGAAT TTCAGATCCT AAGTGTGAAA CGAGAAAGTC CCCAGCCCTG	120
CTGCTGAGCC AGTTGCTGCC CTACATGGAG AACAGGAGGG GTGCTGTCAT CCTGGTCTCT	180
TCCATTGCAG CTTATAATCC AGTAGTGGCG CTGGGTGTCT ACAATGTNCA GCAAGACAGC	240
GCTGCTGGGG TCTCACTAGA ACACTGGCAT TGGAGCTGGC CCCCAAGGAC ATCCGGGTGA	300
AACTGCGTGG TTCCAGGAAT TATTCAAAAT GGACTTTCAC AAAGTGTTTT CNGGGGAATG	360
AAGTCTCNCT GGGAGAAACT TTCAGGGACC NTCNTCAGTT GTCAN	405
(2) INFORMATION FOR SEQ ID NO:898:	
<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 145 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:898:	
NAGTNTGCGA NCCTCTACTG GNGGGGTGAA GGAAACCTCA TTCGTTACAG GCCTGGTACT	60
GTGGCGCTCC GTGAANATTA GACGTTATCA GAGGTCCACT GAANCTTCTG ATTCGCAACT	120
TCCCTTCCAG NGTCTNGTNC GAGAT	145
(2) INFORMATION FOR SEQ ID NO:899:	
<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 495 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:899:	
GGCAGAGGTT GGATGAAGAT GTGGAGGAGA TGCTGCTGCA GATTGCTGNT GNTTTTATCG	60
AGAGTNTGGT GACAGCAGCC TGTCAGCTTG CNCGGCATCN AAGTTCTAGC ACCCTGGAGG	120
TGAAANATGT CCAGCTGCAT TTAGAGCGCC ATGNNAACAT GTGGTTCCCA GGNATTTGGC	180
TCTGNAAGAA ATCCGACCCT ACAAAAAAGC TTGCACCACA GAAGCTTCAC AAACAGAGAA	240
TGGGCATTGA TCCGGAAAAC AACCAAGAAA TAACACACGG AAAGGTCCAG GGAATGGGAC	300
AGCAATGTAT TTGGGNGATA CTTGAGCTGA GGAACTTCAG CCCATCTCAT CCTTGGNTTT	360
TTTTTTTTAA ANGGTTTTTA CAGGGAGCNA TATTTTTTAA TTTAACATGC AGCAATTTTC	420

TTAATGNCTG GAGGTTCTNN CCAAAGGNTA AAGCCTCTTA CCCAATTTCG GNCCCTTTTC	480
CNGNCCTTTN AAGGG	495
(2) INFORMATION FOR SEQ ID NO:900:	
<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 297 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:900:	
GGCAGAGGTG TCTCACAATG CAGTCGAAAC TGGATACTTG AATTCAGTTT GCCAGAGTTT	60
GTTAGACAAT CTGGATTTGC TTCCTGGCAA CACTAGAACA AAAATTGGCT TCATAACATT	120
TGACAGTACA ATCCATTTCT ACGGTCTTCA GGAAAGTCTC TCTCAACCTC AGATGCTAAT	180
AGTTTCAGAT ATTGAAGATG TTTTTATACC TATGCCAGAG AACTTATTAG TAAACTTNAA	240
ATGAGAAGTN AAAGAGCTCG TGCAAGGTTT ACTGAAAANT TTNGNCACAA ATGTTTG	297
(2) INFORMATION FOR SEQ ID NO:901:	
<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 347 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:901:	
GAATTCCACC CATGGNAAAT TCCATGGNAC CGTCAAGGNT GAGAAACGGG AAAGNTTGTT	60
AATCANTGGA AATCCCATCA CCATCTTCCA GGAGCAAAAT CCCTCCAAAT TNAAGTGGGG	120
CGATGCTGGC GCCTGNAGTG ACGTGCGTGG NAGTCCACTG GNGTTTTCAC CACCATGGAA	180
GGAAGGCTGG GGGCTNCATT TNCCAGGGGG GNGCCAAAAG GNTNCATCAT CTNTGCNCCC	240
CTNCTGGTGG ATGCCCCCAN GTTCCGTTAA TGGGNTGTTA AACCATGTGA AAGTTATGGA	300
CAACAGGTCT NCAAGGTGCA TTCAGCAATG GTCTNCCTGG AACCNCC	347
(2) INFORMATION FOR SEQ ID NO:902:	
<ul><li>(i) SEQUENCE CHARACTERISTICS:</li><li>(A) LENGTH: 357 base pairs</li><li>(B) TYPE: nucleic acid</li><li>(C) STRANDEDNESS: double</li></ul>	

(D) TOPOLOGY: linear

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:902:	
AGNAGAGCTG AGATCACGCC ATTNCACTCT GGCCTGGGTG ACAGANTGGA GACCCTGTNT	60
CAAACAAAAA AAAGTTTCTT TCCTTTNCTA GCTCAAAAGC CAAAANTTTC TGAAAAACGA	120
ACTTTGAAAG ATCTNTNGTN CCAATCAAGG CTTCTNCCTC CAGGTNTGAC AAGAAAGGGC	180
CAAANACCAT TGCAGAGATG AGGAAGCAGG ACCTGGCTAA AGACACGGGA CCCACTCAAG	240
NTGAAGNTCC TGGNCTGGAT TGAGGGCAAG GANGCGGAAC ATCCGGGGCC TTGCTGTTCC	300
ACGTTGNACA AANTGTTGTG GGGACGGGGA GAGGCCCTTG GACGNCCTGG GGNATGG	357
(2) INFORMATION FOR SEQ ID NO:903:	
<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 259 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:903:	
GGNACAGGGA GATCTGGTGG CCTGGNTTGT NCCAAGAAGG CCGCTCAGCT GGGAAAGGAA	60
GGTNTCCGTG GTGGACTATG TGGAACCTTC TCCCCAAGGN ACCCGGTGGG GCCTTNGCGG	120
CACCTGCTTC AACGTGGGCT GCATCCCCAA AAAGCTGATG CACCAGAGCG GCACTGCTGG	180
GAAGGTCTGA TCCAAGATGC CCCCAACTNA TGGCTGGGAA GGTGGCCCAG CCCGTGNCCG	240
NCATGANNTG GGAGGTAAG	259
(2) INFORMATION FOR SEQ ID NO:904:	
<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 471 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:904:	
GGCACGAGGN AGAAGCCGGT GTACAAGAAC TTACAGCTCT TTATGGAGAA CAAGGACCCC	60
CGGGACGACC TCTTCGACAG GCTGACCACG ACCAGCCTGA ACAAGCACCT CCAGGAGCTG	120
ATGGACGGCC TGACGGCCAA GGTGTTCCGG ACCTACAACG CCTCCATCAC TCTGCAGGAG	180
CAGCTGCGGG CCCTGACGCG CGCCGAGGAC AGCATAGCAG CTTAAGNATC TTATCCTACA	240
ACCGAGCCAA CCGAGTTCGT GGCCATTCTT TGCAACCATT CAGCGGAGCA ACCCCCAGTA	300

CGTTTCGGAG GAAGTCGATT GCAGAATTTT CCAGANGGAG GNTTCCAGGT CAAAGAAGGN

NGCAGGTTGG TTGAGGCCAG GGCAGAGTTG AGGNGGGNNG AGGGTTTTAG CACAAGGCCC	420
AAGGGGTTGG CAANTCCAGG AGTTTTCTGG TGAAGANGAG TTGGTTCTTG G	471
(2) INFORMATION FOR SEQ ID NO:905:	
<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 327 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:905:	
GGCACAGGTT TGCCGTGTNA GCAACCACAG TNACCTTGCA GTNAGGCTGG AATCTTGGGC	60
CACCCCAAAG TCCTTTNCTG AAGGATTTAN ACGGGGATGA AGTGCCCTCC AGCCTCAAAG	120
CTAGCCACAA AGCCCCCAGA GCTGAATTCA TTGAGTATTT GTGCCTAAGG GCTTGGGCTT	180
GTTTTGTTTT AATACCCGGN CCCCCGNCAG AAAATAGNTT TNGCTTGACA ACCCAGNCTA	240
ATTTCCCCGA TTCCTGGGGC TCCCTCTTGN ATTAATTTTT TGAAAATTTN CCAGTTGTTC	300
AGGNATCAAT GGGGGTTAAT TCCGGNA	327
(2) INFORMATION FOR SEQ ID NO: 906:	
(i) SEQUENCE CHARACTERISTICS:  (A) LENGTH: 422 base pairs  (B) TYPE: nucleic acid  (C) STRANDEDNESS: double  (D) TOPOLOGY: linear	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:906:	
GGCACGAGCC CAGCTGTACC CCGTGTTAGG TGGGTGGCAG GTGGCAATTT GCCCTGACAT	60
GGCACAGCAG GGCCTCTGCA TGGCCCGCTG ATTGCTCCTC ACAGGCACCT ACGGGCTGAG	120
CAACGCGCTG CTGGAGACTC CCTGGAGGAA GCTGTGCTTT GGGAAGCAGC TCTTCCTGGA	180
GGCTGTGGAA CGGAGCCAGG CGCTGCCCAA GGATGTNCTC ATCGCCAGCC TCNTGGATGT	240
NCTCAACAAT GNAAGAGGCG TGAGTGNGGC GGGTCCTGCT TGGGTGAGCC CCAGTNTCCC	300
GCNACCAGGG NCAGAGGGAA AGGCAGGCCC TGTTGCCACG GGGANGGCCC ATGGAAATTG	360
GCCAAGGTTT GGAGACCATG NCTTTTGGGA AGCCCCATTT TNAGCAAGGC CNTNGTTTTT	420
TT	422
(2) INFORMATION FOR SEQ ID NO:907:	

(A) LENGTH: 166 base pairs(B) TYPE: nucleic acid(C) STRANDEDNESS: double(D) TOPOLOGY: linear

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:907:
GGCATCTGGG TACTTGGTGA GGTCGAAGGT CAGGACTTTG CTGATCACAC AGTCCNNTTG 60
CTCAGGATAG ACTCCAATNA GGCTCTCGGC CTTNGTGTAG AACTCCTNCT TGAGTGAGAT 120
GACGATGGCC TGGTAAGTTG CAAGTCGACT GNCTCCTTGG NTGTAA 166
(2) INFORMATION FOR SEQ ID NO:908:
<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 293 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:908:
TAATCCCGTT GATCATCCAC ATCGCCGNTA CANCCCGCTC ACCGGGCAAT GGATTCTGGT 60
TTCACCGNAC CGGCTTAAGC CCNCCTGGCA GGGGGNNCGN GGAAACGGCA GCCAAACAGG 120
TGTTACCTGC GNCACGATCC AAATTGCTTC CTCTGCGCAG TTAATGTGCG GGTGAACAGG 180
CGATAAAAAC CCCGATTACA CCGGGGACTT ACGTTTTCAC TGAATGAACT TTGCGGCTTT 240
GAATGTCTGG ACACGTCCAG ATGCGCCAGN AAAGTNCACG ATNCNGCTGN ATG 293
(2) INFORMATION FOR SEQ ID NO:909:
<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 265 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:909:
NGCCNCATGG GCCANATAGG TGGCCCAGGG GCCCTGGNAG CCCCAAGTCC CAAAGGTANA 60
TCGGAAGACT ACAAGGCCAC CCAGAAAAAT CGCCTTCTAC TGCCACANGA ACCATTCAAC 120
GTCCCCTGC GACCGGGAAC CAGACCATCC GCTTCGNACC ACGTGAATGC ACCAGCATGA 180
AACAACAATT AATGAAGCCC CGCAGTGGTC AAGTTACACC TGTNAAGTCT CNCGGGTCTT 240
CTGACTAACT TNNACCTNAC CACGC 265
(2) INFORMATION FOR SEQ ID NO:910:

<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 278 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:910:	
AAAAGAATTT CTACGANTTG AATATTGGGG AATATTCTGG AACACTGGAG ATTCCCTTCC	60
GGGGGAATTT NGATCCTGAA GGTGCAGTGG TGGGCTAGTC ACCAAAGAAT GAAATTCAGN	120
CACGTGGGAC AAAAATCATG AACAACTATG AAAGGGNAAC TGCGCCNNAN GNAAGGATCC	180
AGTCTGGTCT GGTGGTTTAA CAGGTGTGCA CTCTGGCAAA CCTGTAATGG TGTATACTTA	240
CAGNGGGCCC CTTACACGGN TNAAAACAGN CANTGGGG	278
(2) INFORMATION FOR SEQ ID NO:911:	
<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 119 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:911:	
TGGAGAGCCT GGTNTCTCAG TACTTCCAGA CCGTGAACTG ACTATNGCAA GGACCTGNAT	60
GGGAGNAAGG TCAAGNAGCC CAGAGCTTAC AGGCCGAGGT CAAGTTCTTA CTTTGNAAA	119
(2) INFORMATION FOR SEQ ID NO:912:	
<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 219 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:912:	
CTGTNTCAGG TTCAAGGTGA AGAACCCCAG AGGNNACTTC CCTCTGTCAC GGTTCCGCTG	60
TGCCCAAAGG NTTCCAAGGN CTGATGGCTC CCACTGCTAA TGCCTTGTTT TTGTCACCAA	120
AATCCTGGGA CAGATGCAGA TCTGGNGTGC CAAAAGCGGG CCTGCTGGGA AACCTGGGTG	180
TGCTGGTGCT NCANTGGGGG TGNAGGGGTT CCNTGCGTG	219
(2) INFORMATION FOR SEQ ID NO:913:	
(i) SEQUENCE CHARACTERISTICS:	

(A) LENGTH: 348 base pairs

(B) TYPE: nucleic acid (C) STRANDEDNESS: double (D) TOPOLOGY: linear	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:913:	
GGCAGAGGTT TACTTCAAGG GCCTGTGGAA GTNAAAGTTC AGCCCTGAGA AACACAAGGN	60
AAGGAACTTG TCCTACAAGG CTGATGGAGA GTCGTGTTCA GCATCTATGA ATGTACCAGG	120
NAAGGCAAGT TCCCGTTAAT CGGCGNCGTG GCTGAAGGCA CCCAGGTGCT TGAATTTGCC	180
CTTCAAAGGT GATGACATCA CATGGTCCTC ATNTTGCCCA AGCCTGAGAA AGAGCCTGGC	240
CAAGGTGGGA GGAAGGAACT TCACCCCAGA GGTGCTTGCA GGAGTGGTTG GATGGAATTG	300
GGAGGAGATG GTGCTTGGTG GTNCCACATG NNCCGGTTTT CCGCANTN	348
(2) INFORMATION FOR SEQ ID NO:914:	
<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 340 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:914:	
GGCAGAGGTT TTATAGTGCA AGGNATTGGG GTACAACTTT ATNATTTTCC TTGTGGATAT	60
CCATTGTCTG AGCAACATTT GTTGAAAAGA GTGTTNTTTT TCCATTGAAT TGTCTTGGTG	120
TCCTTTCTGA AAATCAACTG ACCATAAATT CAATGGTTTA TTCTTGACTC TCACTTTCAT	180
CTCATTTTTG TATATGTCTG TCGTTATGCC AGTACTACAC ATTTAATTAC TATAGCTTTG	240
TAATAAGTTT TATTTATTTA NTTATTTNAT TTTTGAGATG GAGTCTCGGT CTGTCGGCCA	300
GGTTGGAGTG CAATGGTGNC CATTTNGGTT CAATGCAGGN	340
(2) INFORMATION FOR SEQ ID NO:915:	
<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 412 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:915:	
GGCANNGCGA CAGTGAAATC CCATCTNTAC TAAAAATACA NAAAATAGTT AGCTGGGTGT	60
GGTGGTACGC ATANTNTAAT CCCAGCTACT CGGCCTCCCA AAGTCCTGGG NATTACAGTC	120

ATGGACCCAC GGNGCCTGGC CCTGAANCAG TTC	TTTAAGG GGATGAGAAC TTGGCCCTCA 1	180		
AGATCTGGGT TTCCATTACC CCTGCCATCG TCA	AGGGTAA AGTNCACTGA ACCTCTGAGA 2	240		
AAGGGGTCTC CCAACCAGGG GGGATCACAG GAT	CTCCCAA CCAGGGNGGN TGCCCCGGGA 3	300		
GAGTGTGGTC AGGGTTTCAT GAATGTTTAC ACA	TTTTNAA AGTTCTTTTG CAAGCTATTA	360		
GTGAATAATT TCCAGNNAAA TGAANTGGGA TTA	TTAAATN TCTGTAAAAA TT	412		
(2) INFORMATION FOR SEQ ID NO:916:				
<ul><li>(i) SEQUENCE CHARACTERISTICS:</li><li>(A) LENGTH: 378 base pairs</li><li>(B) TYPE: nucleic acid</li><li>(C) STRANDEDNESS: double</li></ul>				

## (xi) SEQUENCE DESCRIPTION: SEQ ID NO:916:

(D) TOPOLOGY: linear

TTTGGCTCTG GGGACAGTTG GCATGCNAGG CCTGANTGCC TACTTTGGCC TACTTAAAAT 60
CTGTGGTGTG AAAGGGTGGA GAAACAGTGA ATGGTTAATG CAGCAGCTGG AGCTGTGGGA 120
CTCAGTCGTG GGGCAGATTG CAAAGCTCAA GGGCTGCAAA GTTGTTGGAG CAGTAGGGTC 180
TGATGAAAAG GTTGCCTACC TTCAAAAGCT TGGTTTTGAA TGTCGTCTTT AACTACAAGA 240
CGGTAGAGTC TTTGGTAAGA AACCTTGAAG AAAGCGTCTC CTGATGGTTA TGATTGTTAA 300
TTTTGATAAT GTAGGTNGGA GAGTTTTCA AACACTGGTT AATCGGCCCA GTTGNANGAA 360
ATTTGGNAGG GTTTGNCC 378

#### (2) INFORMATION FOR SEQ ID NO:917:

- (i) SEQUENCE CHARACTERISTICS:
  - (A) LENGTH: 270 base pairs
  - (B) TYPE: nucleic acid
  - (C) STRANDEDNESS: double
  - (D) TOPOLOGY: linear

#### (xi) SEQUENCE DESCRIPTION: SEQ ID NO:917:

GGCAGAGACG	GGTAGGAGCC	CTGAGTGAGT	NTCCATTCCA	AGGGGACGAG	TCCATCCACA	60
GTGCAGGTAA	CACAGAGACT	TGTTTGCTGA	CATTGGACCA	CGGGATCCTG	TGGNGTTTGG	120
TGACTCCTGT	GTTCTTGNAT	CTCCCTCTCC	CTTAAAACCC	ATTCCTTTGG	CTCACCTGTT	180
CCTAGGGTTT	CTAACCTGTT	ATTCCAAATC	TGTCACCTGN	ACTCCACAAT	CTTNCANTAC	240
ACCCATCCGA	GAAAAAAAGT	NGNTCTAAGG				270

### (2) INFORMATION FOR SEQ ID NO:918:

(A) LENGTH: 136 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: double (D) TOPOLOGY: linear			
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:918:			
CTGTCTAGCT TNNCAAAGTT CACCAATACT TTAATGTAGA GCTTATCCAG CCTNGNAGCA	60		
GTCAAGGTTC TACGCCTATT ACACCCTNGA GGCAAAGCTG TACCCGTTTT CTACCATCCG	120		
GAAAANGNTA GGATGG	136		
(2) INFORMATION FOR SEQ ID NO:919;			
<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 539 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>			
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:919:			
TTCGGCACGA GGTCAGAAAC ACCANGGNGT GGAGGTCAGN GTGTCACTTT TNTGTTTTCT	60		
NTTTGAAAGA TCATTCGAGA AACACGTCAC TGATCTCCCC TGCAACCATG TNTTCCATTA	120		
AGATTGAGTG TGTTTTNCCA GAGAACTGCC GGTGTGGTGA GTCTCCAGTA TGGGAGGTAA	180		
GTNTCCAACT CTNTGCTCTN NGTAGACATT CCTGTCAAAA AAGGTTTNCC GGTGGGATTC	240		
ATTCACCAAG CAAGTTACAG CGAGTGNACC ATGGGATGCC CCAGTCAGCT CCGTGGGCTC	300		
TTCGCCAGTG CGGGGAGGCT CATGTTGCCA CCATTGGGAA CAAAGTTCTG TGCTTTNAAC	360		
TGGGAAAGAA CAATCAGCCA TTGTTCTTGG CCACGGTGGG TTAACGACAA GAAAAACANT	420		
CGCTTTCAAT GATGGGGAAG GTGGNTTCCC CCCGGAGGTN ANTTGCTGGC CAACCGCAAA	480		
AGTGTTTTAC AAGNTAGGAA AAGGANGAAC AATTCCCANT TGGGANTTGG TATTGATGC	539		
(2) INFORMATION FOR SEQ ID NO:920:			
<ul><li>(i) SEQUENCE CHARACTERISTICS:</li><li>(A) LENGTH: 493 base pairs</li><li>(B) TYPE: nucleic acid</li><li>(C) STRANDEDNESS: double</li><li>(D) TOPOLOGY: linear</li></ul>			

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:920:

GAAATGCCGC	ACGGTGGGCA	GAAACTTTCT	GGTTACGGCA	AGGATATGTC	ACTTTATGGG	120
CTGGAGGATT	ACACCGTCGT	CCGCCACGTC	ATGGTTAAAC	ATTAAGGATA	ATATTGCAGA	180
TCGTAAGAGT	ATGAGATGAT	CTTTCNTACT	GTCAGAGCAC	TGATTTCTCT	GACAGTAGTG	240
CTGCGTGCAA	AATCCACTAC	ATCAAATAAA	CCAGCCAAAT	CTGCATAGNG	GTNAAGAGTG	300
AAACAAACCA	ACAGCAGCAA	GAATTTNTNC	ATANTACATT	CTNANGGGAA	ACNTNCTTTT	360
TGCCACCTTT	NTNCNTGCCC	NNTGTGTGTN	AGTACGGGTT	NAGGAAATTC	CGCATNATNA	420
NTCNTCNGAG	NTGGGTNAGG	GCAGTNGCTG	TTTGATGTTT	TTNTTTCAAA	NGGTGNAAAA	480
ANTGNTGGCA	CGT					493

### (2) INFORMATION FOR SEQ ID NO:921:

#### (i) SEQUENCE CHARACTERISTICS:

- (A) LENGTH: 492 base pairs
- (B) TYPE: nucleic acid
- (C) STRANDEDNESS: double
- (D) TOPOLOGY: linear

#### (xi) SEQUENCE DESCRIPTION: SEQ ID NO:921:

AACTGGTCTT TCATTCACTG TCCAGCTTGC CAATGCAACG GCCACAGTAA ATGCATCANT 60 CAGAGCATCT NTAAGAAGTG TGAGAACCTG ACCACAGGCA AGCACTGCAA GACCTGCATA 120 TCTGGCTTCT ACGGTGATCC CACCAATGGA GGGAAATGTC AGCCATGCAA GTGCAATGGG 180 CACGCGTCTC TNTGCAACAC CAACACGGGC AAGTGCTTCT GCACCACCAA GGGCGTCAAG 240 GGGGACGAGT GCCAGCTATG TGAGGTAGAA AATCGATACC AAGGGAAACC NTNTCAGAGG 300 GAACATGTTN TTATNANTCT TCCTTATTGG ANTATNCATT CCACNTTTAG TNTNTTCCCA 360 GGAAGTTGNT TCGTNATTTA CACAGTTATN CATTTTGTGG GTTATTCTTG GAGGAACAAA 420 ACAGGGGTTT GGGACNGTTN CNTCATGGCN TCCAGGATTT TCAACCTCAA CNTCACNGGG 480 GTGCCATTTT TC 492

## (2) INFORMATION FOR SEQ ID NO:922:

#### (i) SEQUENCE CHARACTERISTICS:

- (A) LENGTH: 508 base pairs
- (B) TYPE: nucleic acid
- (C) STRANDEDNESS: double
- (D) TOPOLOGY: linear

#### (xi) SEQUENCE DESCRIPTION: SEQ ID NO:922:

CACCCATACC TCACGCAGGA GAAACTGATC CAGTACTGCC ACTCCAAGGG CATCACCGTT	120
ACGGCCTACA GCCCCCTGGG CTCTCCGGAT AGACCTTGGG CCAAGCCAGA AGACCCTTCC	180
CTGCTGGAGG ATCCCAAGAT TAAGGAGATT GCTGCAAANA CAAAAAAACC GCAGCCCAGG	240
TTCTGATCCG TTTCCATATC CAGAGGAATG TGATTGTCAT CCCCAAGTTC TGTGNACACC	300
AGCACGGCAT TGTTGAGGAA CNTNCAGGTG TTTGGACTTT GAATTGAGTG NTGAGGAGAT	360
GGCAACCTNA TTCAGNTTTC AACAGAAATG GAGGGNCNGT GAACGTGTTG CATNCNNTNC	420
NTTGGGAGGA TTTTCCTTCG GTGCAGATNT TGAGGTTGAT CTCNGGTGNG TTNTACAGAG	480
TTCTNTTNTT CGTTGAGTGT GATTACTN	508
(2) INFORMATION FOR SEQ ID NO:923:	
<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 392 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:923:	
GGCACGAGAA GAAAACTAAG CAAGNGGCAC CAGTACCACA TCCGTGCCTA TGAATCCCAA	60
GGGAGGCCTG GGACAATGCC CGACGTCTAA CTGGNNTTCC ATGAAACCTN CAACATNAAC	120
GAACTTTTCT NCTGGTGTAG CCAATACGTA GCGCCANATC ACGCCATTCC CCGGACTGTT	180
GGCCAGGAGA NGAAGGGTTA CTTTGAAAGA TCGTNGCCCC TCTGCCAACT GNGAACCCCT	240
TTTCGGTGNN CAGANGCCCT NCATNCGCAC GTNTTCTTAT TNAATGGNAA CCGGGGGATT	300
GAGGCCTTTA NCAGTGACAA AAATTAAGTG GGACTTAGAA CTTGCCAGCT TGTTTGNGGC	360
CNCTAGGCTT NGTTTTCTTT GAAAACCNGA TT	392
(2) INFORMATION FOR SEQ ID NO:924:	
(i) SEQUENCE CHARACTERISTICS:	

(A) LENGTH: 304 base pairs

- (B) TYPE: nucleic acid
- (C) STRANDEDNESS: double
- (D) TOPOLOGY: linear

### (xi) SEQUENCE DESCRIPTION: SEQ ID NO:924:

GGCACGAGTA GACATTNCCA GAGCTCTATG AGTTAGTGAA CAACTATCAG CCTGAGGTTC 60

TGTGGTCGGA TGGTGACGGA GGAGCACCGG AATCAATACT GGAACNTCAC AGGCTTCTTG 120

GCCTGGTTAT ATAATGTAAA GCCCAGTTCG GGGCACAGTA GTCACCAATG NATCGTTGGG 180

GAGCTGTGTA GCATCTGTNA GACATGGTGG NCTTCTATAC CTGGCAGTGA ATCGTTATNA	240
ACCCAGGGCA TCTTTTNTGC ACATNAAATG GGGAAACTTG GATGNCAATA GACAAACTTT	300
TCCT	304
(2) INFORMATION FOR SEQ ID NO:925:	
<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 460 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:925:	
GGCAGAGCCA GGGTGGCAGC CGGTGCCTTC CAGGGCCTGC GGCAGCTGGG AGATGCTGGA	60
NCTCTCCAAT AACTCACTGG CCAGCGTGCC CGAGGGGCTC TGGGNATCCC TAGGGCAGCC	120
AAACTGGGTA CATGCGGGAT GGCTTCGACA TCTCCGGTAA CCCCTGGATC TGTGAACCAG	180
AACCTGAAGC GAACCTCTAT CGTTGGCTTC AGGCCCAAAA AGACAAGATG TTTTCCCAGA	240
ATGAACACGC GCTGTGCTGG GGCCTGAAGC CGTGAAAGGG CCAAACGGTC CTGGCAGTGG	300
CCAAGTCCCA GTGAAGACCA GGGGCTTNGG TTNAGGGTGG GGGGTCTNGT TAGGAACANT	360
GCAACCCNTT TTAACAATGA TTCCTGGCTT TTGNNCNGGT GCGGGGGTTC AGGCTTAAAT	420
NCCAGCATTT TGGGAGGGCC AGTGGGGGGG ATCACGGGTT	460
(2) INFORMATION FOR SEQ ID NO:926:	
<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 304 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:926:	
CCACCTGCAC ACGTTTGTAA GNTCCCAGCC GGCAGCCTGG GACTTCCAGT GCTCAGAGGG	60
CGGGGAGAAT CTCAGCGTGG GNCAGAGGCA GCTCGTGTGC CTGGCCCGAN CCCTGCTCCG	120
NAAGACCCGC ATCCTGGTTT TAGACGAGGC CACAGCTGCC ATCGACCTGG AGACTGACAA	180
CCTCATNCAG GCTACCATCC GNACCCATTT GATACCTGCA TGTCCTGACC ATCGNACAAC	240
GGGTTAACAT ATCAGGGTAC AACAGGGNNG GTCCTGGACA AGGGTAGTNG TGANTTGATC	300
TCCA	304

(2) INFORMATION FOR SEQ ID NO:927:

(i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 346 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: double (D) TOPOLOGY: linear (xi) SEQUENCE DESCRIPTION: SEQ ID NO:927: 60 TATATTATCT CCCCCGATTA CCGTCATCGG AGGAGATATA ACTNTNAGGC AAATATCGTC ATCAAATAGG CGGCAAACAG TGCCAGATGC GCTGCGCCAT TGAGCACGTT ATACGTNCGG 120 TGGAGAAGGA GATATGGCAC AGCACTAAAG AGGCCACCAT CACCACCATT TCTGGCGCAC 180 CAAGTGCAAA CTNCAATTCG TTACCCGTCA TAAAGGCAAT TAGCGTNACG ACAGTACGGT 240 AAGCGNAATG GTTGCTAACA NGGACCAAAG NACAGATTCA TCGCGCGTNG TACCTGGTTG 300 346 TTCAACATGG TTTTAATGCA CNTAACCTTN CGGGGACAGA TCAACA (2) INFORMATION FOR SEQ ID NO:928: (i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 355 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: double (D) TOPOLOGY: linear (xi) SEQUENCE DESCRIPTION: SEQ ID NO:928: CCACCTGCAC ACGTTTGTAA GNTCCCAGCC GGCAGCCTGG GACTTCCAGT GCTCAGAGGG 60 120 CGGGGAGAAT CTCAGCGTGG GNCAGAGGCA GCTCGTGTGC CTGGCCCGAG CCCTGCTCCG CAAGAGCCGC ATCCTGGTTT TAGACGAGGC CACAGCTGCC ATCGACCTGG AGACTGACAA 180 CCTCATCCAG GCTACCATCC GCACCCAGTT TGATACCTGC ACTGTCCTGA CCATCGCACA 240 CCGGCTTAAC ACTATCATGG ANTACAACAG GGTCCTGGTN CTGGACAAAG GANTAGTTGN 300 TGAGTTTGAT TTTCCAGCCA ACTCATTGCA GTAGAGGCNT TTTTACGGGT TGCCA 355 (2) INFORMATION FOR SEQ ID NO:929: (i) SEOUENCE CHARACTERISTICS: (A) LENGTH: 332 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: double (D) TOPOLOGY: linear

CCTCAAGGAC CTGAAGCTGA GCTATCTGGA CGTCTATCTT ATTCACTGGC CACAGGAATT	120
CAAGTCTGGG GATGACCTTT TCCCCAAAGA TGATAAAGGT AATGNCATCG GTGGAAAAGC	180
AACGTTCTTG GATGCCTNGG AAGGCGATGG AGGAGNGGTG GATGAGGGGC TGGTGAAAGC	240
CTTGGGTCTG CATTTCAGCA TTNCAGNCGA GAAGTCTTGA CAACTGGCTG AATATAACCA	300
TGANTACCAG TGGTGTCACC TACTNAGNAG GG	332
(2) INFORMATION FOR SEQ ID NO:930:	
<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 430 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:930:	
GGCAGAGCAA CACTCATTTT GGGAGGAGGA GGCTATAACC TTGCCAACAC GGCTCGATGC	60
TGGACATACT TGACCGGGGT CATCCTAGGG AAAACACTAT CCTCTGAGAT CCCAGATCAT	120
GAGTTTTTCA CAGCATATGG TCCTGAATTA TGTGCCTGGG AAATNACGCC AAGCTGCCGG	180
CCAGACCGCA ATGAGCCCNA CCGAATCCAA CAAATCCTCA ACTACATCAA AGGGAATCTG	240
AAAGCATGTG GTCTAGTTGA CAGAAAGAGG TCCAGGTTTC CAGAGCTGAG GAGTGGTGCC	300
TATTAATGGA AGACAGCGTG TTTTATGCAA GCAGTTTGTT GGGATTTGTG GACTNCAGGA	360
AAATTTGGAA GGAAATTTAN TCCCGNAAAT TTCCAGGGGC ATCAGTGGGC ANTGGNTTCC	420
CGGGGTTAAG	430
(2) INFORMATION FOR SEQ ID NO:931:	
<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 122 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:931:	
ACGGTTNCGC TGTCCCAAAG GTTCCAAGGG CTATGGCTCC CACTGCCTAT GCCTTGTTTT	60
TGTGNANCAA AATCCTNGGA CAGATGCAGA TNTGGAGTAG CCANAAGCGG GCCCTATGGT	120
AA	122

(i) SEQUENCE CHARACTERISTICS:

(2) INFORMATION FOR SEQ ID NO:932:

<ul><li>(A) LENGTH: 479 base pairs</li><li>(B) TYPE: nucleic acid</li><li>(C) STRANDEDNESS: double</li><li>(D) TOPOLOGY: linear</li></ul>	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:932:	
GĞCANAGAGA AGATAAACGA GGGGCTGGAA CACCTCGCCA AAGCAGAGAA ATACCTGAAA,	60
ACTGGTTTTT TAAAATGGAA GCCAGATTAT GACAGTCCCG CTTCTGNAAT ATGGAAAAGC	120
AGCTGTTGCT TTTGAAAAAT GCCAAACAGT TTGAGCAAGC AAAAGATGCC TGCCTGAGGG	180
AAGCTGTTGC CCATGNAAAA TAATTAGGGC TCTTTTTCAT GCTGCCAAAG CTTATGGAGC	240
AAGCTGGGAA TGAATGTTGA AGGAGATGCC AGAAACTTAC CAGAGGCCGT TCCAGCTTAA	300
TTGGGGAAGG CCAGCATGAT GTGATCTTAG GAAAACGGGC ACCCCAGACA CAGGCAGCCC	360
TGGGTTTTGG GGCGAGCNTG GGAAAGTTTT TGGGAAAATN TTGATCCCGN GAAGGCTGTT	420
ACATTTTTT CACCGGNCAG TTAATGTGTT TTGAAATNGA NGGACCGTTT ACGGCCAGG	479
(2) INFORMATION FOR SEQ ID NO:933:	
<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 105 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:933:	
GGGCCTGAAG GANTTGGGAA GAGCACATTT TAAGGATGAT TGTTTAGNTT TAAAAGTTAA	60
CAAATANTTT ANTGTAGAGC TTATNCAGCT TGGAGCAGTA AAGGT	105
(2) INFORMATION FOR SEQ ID NO:934:	
<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 100 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:934:	
AGTAAAAGGC TCACTATGGA GGNTTCACTG TNCAGAATGA AGNCAAACAA ATACCAGATC	60
TCAGTGAACA AATACAGAGG NAACAGNCGG TAATGCCCTC	100
(2) INFORMATION FOR SEQ ID NO:935:	

(i) SEQUENCE CHARACTERISTICS:

(A) LENGTH: 58 base pairs(B) TYPE: nucleic acid(C) STRANDEDNESS: double(D) TOPOLOGY: linear

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:935:	
TTTTTTTTT TTTTTTTT TTTTTTTT TTTTTTTT TTTT	58
(2) INFORMATION FOR SEQ ID NO:936:	
<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 383 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:936:	
GGCACGAGGT GACAACTGCC GGNAGGTGCA CCTCGANAAG CGGCGAGGGG AGGGCCTGGG	60
CGTGGCCCTG GTGGAGTCGG GCTGGGGCTC CCTGCTGCCC ACAGCCGTNA TCGCCAACCT	120
GCTGCACGGG GGGCCTGCTG AGCGCTCGNG GGCCCTCAGC ATCGGGNACC GCCTGACCGC	180
NATCAACGGG ACCAGCCTGG TGGGGCTGCC CCTGGCTGCN TGCNAGGCCG CTGTACGCAA	240
AAACGGAATC GCCAGACGTN CGGGTGAACA CTTNAGCATT CGTCCACTTG CCCTTCCCGT	300
TAACCACCGN CATCATTCCA CCGGGCCCCC AAGGCCCGNA AAGCAAGTTG GGGTTTTTGC	360
GNTNGGAGGA CGGGATTNAT TTT	383
(2) INFORMATION FOR SEQ ID NO:937:	
<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 481 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:937:	
CGCGTGGTCG CATGAAAGAT CTGAAAGCCA GCTATGTNCT GAACAGCAGT GAATTGCATG	60
CGCCGCTGCA AAAGANTCAG GTCGTCGGAA CTATCAACTT CCAGCTTGAT GGCAAAACGA	120
TCGAGCAACG CCCGCTGGTT GTNTTGCAAG AAATCCCGGA AGGTAACTTC TTCGGCAAAA	180
TCATTGATTA CATTAAATTA AATGTTCCAT CACTGGTTTG GTTAAAAATT AAACACTTGA	240
AAGTGTAATT TCCGTCCCCA TATACTAAGC ATCAGTAAAA AAACTCCCGC CTTCTGGGGG	300
TTGGCCTTNA TTTNAATTAC GTTAACGCCG GAGCTGACAT GGAAAACCAA ACTTAACGGA	360

CTGCTTGATT TNCCNTACTC CTTTTACTTA CAAAGTTTTG GGGGCAGGCG TTACCGNGGN	420
TGGTTGATCA GNGGGTTGAA GTGGTACAGN GCCTGGCCAG GTGGCTACAC CCCACGGTNA	480
A	481
(2) INFORMATION FOR SEQ ID NO:938:	
<ul><li>(i) SEQUENCE CHARACTERISTICS:</li><li>(A) LENGTH: 269 base pairs</li><li>(B) TYPE: nucleic acid</li><li>(C) STRANDEDNESS: double</li></ul>	
(D) TOPOLOGY: linear	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:938:	
GGCAGAGTGA ATCATCAGAG AATTCACACA GGGGAGAAAC CCTTTNANTG TAATAAATGT	60
GGGAAAACTT TTGGCCAGAA ATCAAACCTC AGANTACATC AAAGGACTCA CAGTGGGGAG	120
AAATCTTATG AATTGCAATG ANTATGGGGA AATTATGTAA GAGAGTCTAC CCTAAGCTTT	180
ATACCAGAAA ATTTCAGGGN GAGGGGGGAA TCCCTATTGA TGTATTAACT NGGAAATNCC	240
TTTTGACCAA AGGGATTNCC CCNTTTGAT	269
(2) INFORMATION FOR SEQ ID NO:939:	
<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 288 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:939:	
CCCAAAATAA CCAGCTAGGG TGGCTGTGGG GCCANANCCG TGCCCTCTAT CCNAGCATCT	60
ACATGCCCGC NGTGCTGGAG GGCACAGGGA AGTNACAGAT GTATGTNCAA CACCGTGTGG	120
GCCGAGNGCA TTCCGTGTGN GCTGTGGGCT GCTGGTGAAC CCCAATNTTG CCGGTNGTTG	180
CCCTATTGTC CCAGATTTTN CTTATGNACA CGGACAAACC ATTTTTTTTG CCCCCTGGGA	240
TTGAGCTTGG GAGCAAAGNC TTGGGGGGGAG AGTNNGGGCC CAGGGGGG	288
(2) INFORMATION FOR SEQ ID NO:940:	
<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 359 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	

(xi)	SEQUENCE DES	SCRIPTION: S	SEQ ID NO:94	10:		
TGGGGACCTC	AAGGCCCGCG	GGCTGACCCT	NCAGTGGGTG	TACTCGGCGC	GGGGGGACTA	60
NATCCGGGCG	GCGGAAAANC	TGCGGCAGGA	GATCTACAGC	TCGGAGGAGA	GAGACGAGCG	120
ACTNANACGC	ATGTACAACG	TGCGCATAAT	GCGGGTGGAG	TTCTACTTCC	TTTCCCAGTA	180
CGTTTCGCCA	GCCGACTCCC	CGTTCCGCCA	CATCTTCATG	GGCCGTGGAG	ACCACANGCT	240
NGGCGCCCTN	CTGGACCACC	TGCGGGCTGC	TTGCGCTTCC	CAACAGTTCC	GGGNACCCCC	300
GGGGGNCCAA	CTTTCTTNCA	ATTGGGTTTT	CCAAGGAAAA	GCNTTTTNCC	GGGTTCAAT	359
(2) INFORM	ATION FOR SI	EQ ID NO:941	l:			
	EQUENCE CHAP (A) LENGTH: (B) TYPE: nu (C) STRANDEI (D) TOPOLOGY	382 base pa ucleic acid DNESS: doubl 7: linear	airs Le			
(xi)	SEQUENCE DES	SCRIPTION: S	SEQ ID NO:94	11:	·	
TGCAGGATTN	CGGCAGAGGG	AAAANTTGTT	TNNTTAGGTT	TGGTTAATGC	AGGCAAAACC	60
ACTTTCTTCC	ACATGCNCAA	AGATGACAGA	TTGGGCCCAA	CATGTNCCAA	CANTACATCC	120
GACATCAGAA	GAGCCTAACA	TTTGCTGGGA	ATGAACCTTT	ACAACTTTTN	NACCTTGGTG	180
GGCACGAGCA	AGCACGTCGC	GTTTGGTAAA	AATNATCTCC	CAGCAATTNA	ATGGGGATTT .	240
TTNTNNTTGG	TGGGACTGTG	CCAGATCATT	CTCGNCCTCG	TGGGAATCCA	AAGTTGTAGC	300
TTGAATGGCT	TTANATGGAT	TGGATGGAAA	ACAATTATCC	CAAATGNTGC	CCAATCCCCT	360
NATTTTTGGG	GGAANCAAAN	AT		•		382
(i) S	ATION FOR SI EQUENCE CHAI (A) LENGTH: (B) TYPE: ni (C) STRANDEI (D) TOPOLOGY	RACTERISTICS 454 base pa acleic acid DNESS: doub	S: airs			
(xi)	SEQUENCE DES	SCRIPTION: S	SEQ ID NO:94	12:		
GGCACGAGCC	AGGATTGGTG	CCTTCTCTNA	TGGCTCTGGT	TTAGCAGCAA	GTTTCTTTTC	60
ATTTCGAGTA	TCCCAGGATG	CTGCTCCAGG	CTCTCCCCTG	GACAAGTTGG	TGTCCAGCAC	120
ATCANACCTG	CCAAAACGCC	TAGCCTCCCG	AAAGTGTGTG	TCTCCTGAGG	AGTTCACAGA	180

AATAATGAAC CAAAGAGGAG CAATTCTACC ATAAGGTGAA TTTNTCCCCA CCTGGTGACA

240

CAAACAGCCT TTTCCCAGGT ACTTTGGTAC CTGGGAGGCG AAGTGGGACG GAGCCAGCAT	300
NGCCGGAANG TATTGCCCCG GGGGTCCCNG TTTTNAAAGG TGTTTTTTNG AAGTTCCATG	360
GGAAAGTTTC CTGGGGAAAC GTTTTTTTG GCAGGGTTTT TTCCCCGNGA AATCANTNTT	420
TTTNAAAGGG TCCCCANTTT TTAGGTTGGG AAAA	454
(2) INFORMATION FOR SEQ ID NO:943:	
<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 376 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:943:	٠
GGCACGAGCG GCACGAGCAC CAAGCAGGCA GTGAGCATGT TTCTNGGAGC AGTGGAAGAA	60
GCAAAGAAAG AAGGTGGCAC AGTGGTCTAT GGGGGCAAGG TTATGGATCG CCCTGGAAAT	120
TATGTAGAAC CGACAATTGT GACAGGTCTT GGCCACGATG CGTNCATTGC ANANANAGAG	180
ACTTTTNCTC CGATTCTCTA TGTCTTTAAA TTCAAGAATG AAGAAGAGGT CTTTNCATGG	240
AATAATGAAG TAAAACAGGG ACTTTCAAGT AGCATCTTTT ACCAAAGATC TTGGGCAGAA	300
TCTTTCCGCT GGCTTTNGAC CTAAAGGATC CGACTGTGGG CNTTGTAAAN GTNCAACATT	360
NCCAACAAGT GGGGCT	376
(2) INFORMATION FOR SEQ ID NO:944:	
<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 351 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:944:	
GGCACGAGCC TGTATCAAAA AAAGGAGACC TGAGGAGGGC CTTGAGCAGA TACATCTCCT	60
CTCTCATCCA CTCAGGTGGC CACTAACACG GACACCAGCC GAAATGCCGG AAATGCGGTC	120
CTGTTTGAGA CAGTACTCAC CATCATGGAT ATCCGCTCTG CAGCTGGCCT ACGGGTTCTA	180
GCTGTCAACA TTCTTGGTCG CTTCCTACTC AACAGTGACA GGAACATTAG GTATGTAGCC	240
CTGACATCAC TGCTTTCGAC TGGTGCAGTT TTGATTCACA GTGCTTGTTG CAGCGGGNAT	300
TCGGGCCCCA CTNTGGGTGG GNAATGTTCT AAGGGGGAAA CTNGANTGCC T	351
(2) INFORMATION FOR SEQ ID NO:945:	

<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 363 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:945:	
GGCACGAGGT GTTAACTTCC AGATAAGGGA ATATNATTNA ATAATTNATN ATTTTNAAAA	60
TACTGTATTA TGAAGCCATG TTCATAAAGG TAAGAAAGGC AGATTCTACA ACTAGTCAGA	120
CAACTTAACA TTCATACTAA TGACAGCTTC ATTGAAATCA CTTTACTACT CCCCTAGTAA	180
TGGAGTCATT GCATTTATAT TATACATTAT TCTCTTTNCA GTTTTGCTAG CCACCCTAAT	240
TATCCATATT CAGATGAATA TTTAACATGG AGGAGCTTTG CCTGAGGTCT ACCCAGNAAG	300
CCCTGTGTGT GGGTGGTGAC GNCGAGGACG GTCTCTTTTG CCGGTGGACT GGACANATNA	360 ⁻
CNC	363
(2) INFORMATION FOR SEQ ID NO:946:	
<ul><li>(A) LENGTH: 180 base pairs</li><li>(B) TYPE: nucleic acid</li><li>(C) STRANDEDNESS: double</li><li>(D) TOPOLOGY: linear</li></ul>	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:946:	
GGCAGAGTTG AGCGGCGCAG GGACCGATAC TTGTAATCAG GGATCGCNAC CTCANANAGT	60
GCCAAGCCCC CGACGCACAA ATATGTCCGG GGAGAGAATG GCCCTGGGGG CTTCATCGTG	120
CTCAAGTCGG CCAGTTAACC CCCGTNTTTG NACCTTTNTN TGGGNTCTTA ATACAGGTCT	180
	180
(2) INFORMATION FOR SEQ ID NO:947:	
<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 446 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:947:	
GGCAGAGCGG ATCACTGGAG CCAAAACCTG TCCCAGTTTT TCCCTGAGGC CATTTCTTTC	60
AMACAMONAC COCCCCONA CANCEGER GEFCETTGETAC AFTGCTTGGC TGGNCATTAG	120

CCGCTGCAGT CACTGTGAAC TGTGGCTTAC CTTATGCNGA AGCTCAATCT GTCGATGNAA	180
CGATGCCTAT GAACATTGTC AAAATGGAAA AAATCCAACA TATCCCCTGA ACTTCAACTT	240
CATGGGTNCA GCTGCTGGAC TTCGAGAGGA CGCTGGGGAC TTCAGCAGCC CATGTGAACA	300
ACAGGGGTTT CCAGCACAGC AGCTGTATTT TTACCACCCT TTCCAACCAG AATGTGTTAC	360
CAGGTGGGAC TTTTTGCAAT CTAGGGNAAA GACCCCACAC CCTCNTGNTG GGATGTTGTN	420
NGGCCTTCAG CAATTTTTTT GGCAGC	446
(2) INFORMATION FOR SEQ ID NO:948:	
<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 318 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:948:	
GGCACGAGCC ATCATTCCCC AAGANCTTCA AAGATTTTAA AGGCCACCAT TTCCATGCAC	60
ATGTTTCTTG GCGTTGCTGC TGTTTACACT ATGTGGAAAG CTGGACACTC AGCCTGTTTC	120
GGGGGACCC AGGCTAAAGG TTNTGCCCTA GGTGTGGTAA GTATCTATTG ATGCGTAGTG	180
TGGCTTGCAG GGAACTACAG GGGCCACACA CCAACCATTA AGCACCAGGC CTAAGGCAGN	240
AAGCAGAGA AAACCAACTT CAAGGTCAGA GGAGCCGCTG GGNAGGGAGA AAGGTGTNTN	300
GGTGGAGGNC TAACCAGA	318
(2) INFORMATION FOR SEQ ID NO:949:	•
<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 146 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:949:	
ATGCCAAAGT NTTCGATGAA TTTAANCCTC TTGTGGAAGA GCCCTTCAAA ATTTAAATTC	60
AAACAAAATT GTGAAGNTTT TTGAAGNCAG NTTGGAGGAG TTACAAATTN CCAGTAATGA	120
GCCTATTAGT TCGTTAACAC CANGTA	146
(2) INFORMATION FOR SEQ ID NO:950:	
(i) SEQUENCE CHARACTERISTICS:  (A) LENGTH: 376 base pairs  (B) TYPE: nucleic acid	

(C) STRANDEDNESS: double
(D) TOPOLOGY: linear

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:950: AACCCATAAN TCCAAAAAGA AGATCAGAGA ATATTATAGA CTGCTGANCG TGGAGGAAGG 60 120 ATGCCCTGCA GATGAAAGTC AGGGNAATCT TTTCATAAGC TTGCCAAGCA ATATCATCCT GAACAGTGGC TCTNAATACT GCTGATTCTG CCAACATTTA TAAAGGNTTG AAAAAGCTTA 180 240 TAGNAAAGGT GCTCTCCCAT GTGAATAGAN CAAACAAATG CCAGTCAAGN GTNAAAGGTG 300 AAGNAGGANG NAGATGTAGG AAAANTTCAA ATATNAAAAC ACCCCAACAC CGGCNTTATT TAAGTTTTTG AAGGGTTNTT GGTTTTGGGG NCTCCAAATT CAAGGGGGGA AGGCTTTTTG 360 376 GGGNCANTTT TGGGGG (2) INFORMATION FOR SEQ ID NO:951: (i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 462 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: double (D) TOPOLOGY: linear (xi) SEQUENCE DESCRIPTION: SEQ ID NO:951: TATTTAGGTT TCTTTAATTT TATTCAACAA TATTTTGTAA TTTTCAGCAT ATAAGTCTAT 60 CACTGCATTG GTTAAATTTA TTCCTAAGTA TTTTACTGTT TTTAATGCTA TTCTAAATGG 120 180 ATTCTTTTA AAATTTCCCT TTCATATAGT TCATTGCTAA CCTATAGAAA TACAACTGAA TTTCATCATG GGCAGTTTTC TTTCTACATC TTAAGGAAAT TAGTTTATTA GCTCTAAATG 240 GGGTTTTATT TGTGGATTCT TTAAAGGTTT TCTTCCATAT TAAGATCCAT GTCCATCTCT 300 -360 AAAATAGGGG ATTAGTTTTA ATNTTTTCCA TTTNCCCATT TGGGCTGCCC TNAAANTTNC NTTTCCTGCC CNAATGTTCC CGACCNGAAC TTCCGCAGGT ATTGGATAGA GTGGTGAAGC 420 AGGGANCTTG GCCCGGTTTT TAACCTAAGG GNAAAGGTTN CG 462 (2) INFORMATION FOR SEQ ID NO:952: (i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 505 base pairs

(B) TYPE: nucleic acid(C) STRANDEDNESS: double(D) TOPOLOGY: linear

⁽xi) SEQUENCE DESCRIPTION: SEQ ID NO:952:

GGCACGAGGT TTTCTCATGC TTTTNAAATC ACTCCATCCG TAGCCAAGAA GATTGCTGCT	60
GTACTTACGG ATTCATTTCC ATTGAAAGTT CGTGGCATCC ATTTGATAAA TGAACCAGTA	120
ATTTTCCATG CTGTCTTTTC CATGGATCAA ACCATTCCTG GACTGAAAAA NTTAAGGAAC	180
GGACAGGGCC TCACTTTGTG NCAGTGGGCA CGATCTTGGG CTCACTGCAA CCTCCACCTC	240
CTGGGGCTTC AAGCAATCCT CCTGCCTTCA GCCCACCAAG TTATCTGGGG ACTTACAGTN	300
CCTGCACCAC CANGGCTGTN AAATCCCCGC ACNTTTGGGA GGGCCCNGGC GGGCGGGTTC	360
ACGGGGTTCA GGGGNTCGGG ACCCTTCCGG GTTAAAANGG TGGNAACCCG TTTTTTANTT	420
AAAATTCCAA AAAATTTGGC CGGGNGTATT TGCGGGGGGC TTTTAGTNCC CATTATTTGG	480
GNGTTTNGGC AGGGATGGGG GTTAN	505
(2) INFORMATION FOR SEQ ID NO:953:	
<ul><li>(i) SEQUENCE CHARACTERISTICS:</li><li>(A) LENGTH: 348 base pairs</li><li>(B) TYPE: nucleic acid</li><li>(C) STRANDEDNESS: double</li><li>(D) TOPOLOGY: linear</li></ul>	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:953:	
GGCACGNGCG CATCATAAGG GGCCGCCTGG CGAAGGCTGG AAGTGGGGCG GCTGCAGCNA	60
GGACGCTGAC TTCGGCGTGT TAGTGTCCAG GGAGTTCGCG GATGCNCGCN AGAACAGGCC	120
NGACGCGCGC TCGGCCATGA ACAAGCACAA CAACGAGGCG GGCCGCACGA CTATCCTGGA	180
CCACATGCAC CTCAAATNCA AGTNCCACGG GNTGTCGGGC AGCTTTNAGG TTGAAGACCT	240
GNTTGGTNGG GCGCAACTTG ANTTTCCGTT GCCATCGGTG ACTTTCTCAA GGACAAGTTA	300
TGACAGCGNC TTTGGGAGAT TGGTTAGTAG AAGAAGNAAC CCTTNNTT	348
(2) INFORMATION FOR SEQ ID NO:954:	
(i) SEQUENCE CHARACTERISTICS:	

- (A) LENGTH: 329 base pairs
- (B) TYPE: nucleic acid
  (C) STRANDEDNESS: double
- (D) TOPOLOGY: linear

# (xi) SEQUENCE DESCRIPTION: SEQ ID NO:954:

TTTCCTTTAA	TCTTCCCGCC	CTGTAACTGT	TTCCATGCTT	TATGAGCAAC	AGCCTGACGG	60
ACCGCGACAT	AGACATGCGC	CGGATGCACG	GGTATTTTGC	CAATATCTGC	GCCATCAAGC	120
CCGATATCTC	CTGTCAGTGC	ACCTAATACA	TTACCCGGGC	GCATTTTGGC	TTTTTTCCCG	180

NCATCGATAC ACAACGTTGC CATTTCTGCT TCCAGCGTCG CAATGTGAAC TATTTAGCTG	240
GCGGCGTTTT GNCAGTNAAA GTTTTTATCT TGCAACATGT NCAGAAATGG ATATTGGGCC	300
CGCTGGTGGT TTNTTTCCGG AGNCACAGT	329
(2) INFORMATION FOR SEQ ID NO:955:	
<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 299 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:955:	
GGNAGAGCCA TGGNGGNGCT GGTGGATNAG GGNCTGGTGA AAGCCCTTNG GGTCTCCAAT	60
TTCAGGCACT TNCAGATCGA GAAGCTCTTG AACAAACCTN GACTGAATNN TAAACCACTA	120
ACTINICCAGG TTGCAGTGTC ACCCATACCT CACGCANGAG AAACTNTATC CAGTACTGCC	180
ACTCCAAGGG CATCACCGTT ACGGCCTACA GNCCCCTGGG TTCTTCCGGA TAGACCTTGG	240
GCCAAGCCAG AAGANCCTTC CCTGCTGGAG GGTNCNAAGC TTAAGGTAGA TTNTTGCAA	299
(2) INFORMATION FOR SEQ ID NO:956:	
<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 400 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:956:	
ATCACTTTTG ACCTCAGTTT TAACAACTGA GGAGGAGGAG CTCATCATGT ATCTGTTCAT	60
TCATTTACCA TATATTTATT AAGCACCCAC TCTATTCTGG GAAATAGTNT ACAGTAGTGA	120
ATACTAAAAT GCCGGGCTAA TATCTCTACC TTCATATAGC TCACATTCTA GTGGCAGGAA	180
GAGATAATAA GTAAGATAAN ATGAAGTACA ATATATAATA TGTTAGATAA ATGCTCCAGT	240
GGGAAAAAT AAAGCGGGGA AGGAATACAG GGAATGCCTG CAGAGTTGAA TGGTTAAGGT	300
AGCTTGGGGA AATCCCTCAC TGGGGNNTCC GNGGAACTCC AACAAAGGGN CCCCGTGAGG	360
CTTGTCTGGG GGNCCAGAAA GCTCTGTCTG GGGGCCTGGG	400
(2) INFORMATION FOR SEQ ID NO:957:	

(i) SEQUENCE CHARACTERISTICS:(A) LENGTH: 402 base pairs(B) TYPE: nucleic acid

(C) STRANDEDNESS: double
(D) TOPOLOGY: linear

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:957: AGAAGAGCTA ACANTTGCTG GAATNACCTT TACAACTTTT ANTCTTGGTG GGCACGAGCA 60 120 AGCACGTCGC GTTTGGAAAA ATTATCTCCC AGCAATTAAT GGGAATTNTT TTTNTGGTGG 180 ACTGTGCCAG ATCATTCTCG CCTCGTGGNA ATCCAAAGTT GAAGCTTAAT GCTTTAATGA ACTGATGAAA CAATATCCAA TGTGCCCAAT CCTTATCTTG GGTAACAAAA TTGAACAGAN 240 CAGATGCAAT CAGTGGAAGA AAAACTCCGT GAGAATAATT TGGGCTTTAT GGGACAGACC 300 ACAGGTAAAG GGGGANTGTG AACCCTGAAA GGAGCTGAAT GCTCGGCCCN GGAAGTNTTN 360 402 CAGTGCCATG TGGTTCAAGA GGCAAGTTAC GGCGAGGTTT NC (2) INFORMATION FOR SEQ ID NO:958: (i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 409 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: double (D) TOPOLOGY: linear (xi) SEQUENCE DESCRIPTION: SEQ ID NO:958: CAGNAGGGAA ATMNTATTTT TAANTCCAGC ACGGGGTTAC TGTTTTTTTA TCTCAAAGCC 60 AAAAGCCACA GGCATGGCCA CAGTTACTGT NCATCTCAGG GAATGTGAAA AGANTCAAGA 120 TCCAAGCAGC CACAGACTCA AAGGNACATC AGTGAACTGC NTGGCCAAAG CATACCCACA 180 GTACTACAGA AAGCCGTNCA GTGGTCAAGC GGATGCCGGC CATGCTCACT GGACTCTNTC 240 AAGGTCTGTG GCACTCGGNC AGGTGGTGTT TACTAGTGNT CCTCATAAAA NTTAACCTCC 300 CTGGTGCGAA TTTCCAGTTC ACCTGGTGAT TGCGGACTGG GAATTCTTGA GNTTTTGNTT 360 409 AAGAGCTGTT GCTGTTGGCT GNAGTATGGG TTGTGTTATG TNNAAGGTG (2) INFORMATION FOR SEQ ID NO:959: (i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 278 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: double

(D) TOPOLOGY: linear

TGTTTTTNAA AAGAGAACTT GNATGGCAGT TTAGATTTCA AGAAAAACTG GTTTCATTAT	120
GAAAGNAAGG NTTTGGANCA TCTTTTTCCT NACTGGGCAC AACAAATTTT TGGCTGGGAA	180
AATGAGAAAG GTTCATTTGA ATAAAGGCNC ACAGTCTGCC ATCCCATATG CTTTNAGAGN	240
TGGGACTGGG AAGGACTGGG ATGGGCAGAN CCCNTACT	278
(2) INFORMATION FOR SEQ ID NO:960:	
<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 188 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:960:	
	60
CGCGTCGTTT TNACCTGTNA CGTTCACGCC CATTGCAGCG GCACAGTCAC GCAGACGTGC	120
AGCGGCGACT TTCCTGTTGA ATACCTGAAC GTGCGGCANA AAACGGCGTT ACATACACCG	
TGTGGCAGGT TGTAGAAACC GCCCAGCTGG TGCGCCATCG CATGAACATA ACCCAGAGAA	180
GCATTATT	188
(2) INFORMATION FOR SEQ ID NO:961:	
<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 159 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:961:	
TTAACCAAAA TCCTGGACAA ATGCAGATNT GGCCTGCAAA ANGCGGCCCT NTGGAAACCT	60
GGTGTNTGTC CTCATTGGGG CTTAAGGGNT CCTTCCGTTT CCTCCCTGGT TGAANAGCAT	120
TGGTTAACAN CTACTTCATA ACGTTTGGTT TGGGNCTCC	159
(2) INFORMATION FOR SEQ ID NO:962:	
<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 307 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:962:

CATCTGCCAG GGGTGCCTGA AAGCCCTGGG CAGCTACAAC AAGTNTCACA ACAACTGCTA	120
CAAGGANTGC TTCGCCCTAT GCTTCCTGAA CAGTGCCACC AGCTTTTTGG CTGGGTTTTT	180
·	240
AGATTAGGGT TGCTGGTATT TTGGTTTTGG CTGNTTAAAG AGGCCCTTAG GGACCANAAT	300
TTTTCCN	307
(2) INFORMATION FOR SEQ ID NO:963:	
<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 423 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:963:	
CGTGGTGGNT CATGCCTGTA ATCCCAGCAC TTTGGGAGGC CAAGGCGGGT GGNTCACGAG	60
GTCAGGNGTT CAAGACCAGC CTGGCCAAGA TGGTGAAACC CCATCTCTAC TAAAAATACA	120
AAAATTAGCC AGGCGTGGTG GCAGGTGCCT GTAATTCCAG CTACTCGGGA GGCTGAGGCA	180
GAGAATTGCT TGAACCTGGG AGGCGGAGGT TGCAGTGAGC CGGGATCACG CCACTGCACT	240
TCAGCCTGGG CAACAGAGTG AGACTCCATC TCAAAAACCA AAACAAAACA	300
CTTGCTCATT CTTGCCTAAC NATGCTTTCC CTGTTACCGT CANAGTAAAT ATATCTTACT	360
GGGGCTGGNA TTATAATTTA CANAACATTT TTNACATATT TGAGTNTTTC CTCTTGGAAA	420
AAT	423
(2) INFORMATION FOR SEQ ID NO:964:	
<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 422 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:964:	
CGAAGNCCAT ACCTGATGGA GTCTCTGCCA AAATATTTTT GTCATCATCA GAACTCAAAA	60
GCCACAGCAC CTGAGACAGA AGGAGAAATT CTAGAGTTGA ATGNCANTTC TGAAGCCCTC	120
AAGCAAGAGA CTTTCCCCCC GACATTACGA CACTGTATAG AGCGGCTTTA CTCCACCATG	180
TAAAAAAATA CCTCTTTAAC CGGNTCGACA TTCCACCATA TGAGTCCTAT GAGAAGCTCT	240

ACGAGAAGCT GCTGACAGCC GTGGAGGAGA CCTGCGGGTT TGCTGTGGAG TGAAAAGCAA

300 -

CCAAAGGCAA CAGAGTCTTA GCTCATGGCC ACCAGACCAA AAGCATCCAG TTCTGTTGCA	360
CCTCCTGGAA AGCTNGCAGA GGCCCTGGAN TTTCCAGNTC ANCTNAGGGG AAAGGGTTGT	420
тт	422
(2) INFORMATION FOR SEQ ID NO:965:	
(i) SEQUENCE CHARACTERISTICS:	
(A) LENGTH: 410 base pairs (B) TYPE: nucleic acid	
(C) STRANDEDNESS: double	
(D) TOPOLOGY: linear	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:965:	
CGAAGNCCAT ACCTGATGGA GTCTCTGCCA AAATATTTTT NTCATCATCA GAACTCAAAA	. 60
GCCACAGCAC CTGAGACAGA AGGAGAAATT CTAGAGTTGA ATGACAATTC TGAAGCCCTC	120
AAGCAAGAGA CTTTCCCCCC GACATTACGA CACTGTATAG AGCGGCTTTA CTNCACCATG	180
TAAAAAAATA CCTCTTTAAC CGGNTCGACA TTCCACCATA TGAGTCCTAT GAGAAGCTCT	240
ACGAGAAGCT GCTGACAGCC GTGGAGGAGA CCTGCGGGTT TGCTGTGGAG TGAAAAGCAA	300
CCAAAGGCAA CAGAGTCTTA GCTTCATGGC CACCAGACCA AAAGCATCCA GNTTCTGTGC	360
ACTINCTGGA AAGCTGGCAG AGGTCCTGGA TINCCANTIC TACCINGGGG	410
(2) INFORMATION FOR SEQ ID NO:966:	
(i) SEQUENCE CHARACTERISTICS:	
(A) LENGTH: 374 base pairs (B) TYPE: nucleic acid	
(C) STRANDEDNESS: double	
(D) TOPOLOGY: linear	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:966:	
GGCACGAGCA AACTATAAAA AATGGTACCC ATGGTTAGGA CATAGCTACA CAAGCATTTG	60
TAGTTTAGAA TATATAATTC ATAAAATTT GAAGTGAGAG GAATAGTTAA TATGTAATAG	120
AAGAAAAAGT ACTTGCTCAG GTAGTTGTAA CTCTTAATAA AACCAATGAC TAGAATACAA	180
GTGGAAGTAA AAAGGTGGAG ATAGATTAAT AGCCTAAATA ACGAGAGAAC CTTATGCCTT	240
TTTTAAAACA AAACAAAACC ATTGAGACAT TTTACTTAGT CCTAAAATCT AGCCTGGGNT	300
TTATGCTATA AATGGATATT CTATTTTTCA TGTTAAATTG TACATTACNC AGAAATNATN	360
AATATTNTTA CTTT	374
(2) INFORMATION FOR SEQ ID NO:967:	

<ul><li>(i) SEQUENCE CHARACTERISTICS:</li><li>(A) LENGTH: 343 base pairs</li><li>(B) TYPE: nucleic acid</li><li>(C) STRANDEDNESS: double</li><li>(D) TOPOLOGY: linear</li></ul>	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:967:	
CGAAGACCAT ACCTGATGGA GTCTCTGCCA AAATATTTTT NTCATCATCA GAACTCAAAA	60
GCCACAGCAC CTGAGACAGA AGGNGAAATT CTAGAGTTGA ATGACANTTC TGAAGCCCTC	120
AAGCAAGAGA CTTTCCCCCC GACATTACGA CACTGTATAG AGCGGCTTTA CTNCNCCATG	180
TAAAAAAATA CCTCTTTAAC CGGATCGACA TTCCACCATA TGAGTCCTAT GAGAAGCTCT	240
ACGAGAAGCT GCTGACAGCC GTGGAGGAGA CCTGCGGGTT TAGCTGTGGC AGTNGNAAAG	300
CANCCAAAGG TCAACAGTGT TTTNGNTTCA TGGCCACCAG TCC	343
(2) INFORMATION FOR SEQ ID NO:968:	
<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 158 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:968:	
GGCANAGCCA TNATGCTTTC ACCAAGGCAA TCCAAGAAGC TCGGCAAATG AAGGAGCAAC	60
TCCGACGGNA ACAACANGTN CTTTANGGGT AAGGTGGCTT TTGTGAATAG TCTGGGTCTC	120
AATAACTGGC CGAACAGAAA AAAAAAAAA AAAANCTT	158
(2) INFORMATION FOR SEQ ID NO:969:	
<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 326 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
TO TO NO. 060	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:969:	60
TTTTTCTCTG AACTATTTGT TNATATCACT TTGCCCATTT TAAAAATTGG GTTTCCGCCC	120
CTCTTAATGA GCAGGAGTAG CCTTCTGTGT ATTGAGTTTA ACTTTGTGAT ATAAGTTGCA	
CATTOTTTT CTCAGGTTTT CATTTCTATT TTTCCTGTAG TTTGTACCTT TTCCATTTTT	180

ATGGATATCT AAACTCAACC TTAACTGGCA GAACTTCACT GATACTTTTG TTAGGTAAAC

240 .

ACACATCTGT CCCCAGGATA ATTTAACACA ACGACAGAGA AGGGAGGTAG NAAAANNAGT	300
TNGTAGAGAG CTCAGNAAGG GGCTGG	326
(2) INFORMATION FOR SEQ ID NO:970:	
<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 352 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:970:	
GGCACGAGCT AATATATAGA ATACACTTTT ATAATATATT NTAATATATA GAATACACTT	60
TTATAATATA TTNTAATATA TAGAATACAC TTTTATAATA TATTCTAATA TACATAATAT	120
ATTCTAATAC ATGTAGACAC ACCCAATTTA ATGCTTTGCA TGGGCATAGT TATGCAAAGC	180
CTAGTTCTTA AGTGCGGTGG TCTCAATGTG TCCCCCAGAA TTCATATGAT TGANGCTTAA	240
TCCCCAGTGG CAACAGTGTT GAGNAGCTGG GGCCTAATGG GAAGTGTTTA GTTTNTGAAG	300
GCCTCTGCCC TGCATGAANN AGGTTNAATG TTGTTGTGGA AAAGGGTGTG GA	352
(2) INFORMATION FOR SEQ ID NO:971:	
<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 333 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:971:	
CTTATCTAAT TCCNCTGGCT AGANCCTCAA GTATAAGGTT AAATACAAGT GGCAAGANTG	60
AATATCCTCG TCCTGTTCCT GAGCTTAGAG GAAAAGCCCT ATCTTTCACC ATTAAATTTG	120
CATGGTGGTC GTCAGTTTAA CATAGCTGTT CTTTATCAGG TTGAAGGTGT TCCATTCTAT	180
TTTTNAGTTT ATTGAGTGGT TTTACTATAA AAAAGCATGT TGNAATTTTG TNAAAATATA	240
TATGCCTTTT TCCTATTGGG NATACTTAGT GGGATTTTGG TCCCTTTAAT TCCCGNTNTA	300
TANGGTTTTT TAACANTTAA TTTGGATTTT CAG	333
(2) INFORMATION FOR SEQ_ID NO:972:	
<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 300 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:972:	
GGCANAGTCG CATTTGGCCC GCGGCAGCCC CACCCCCGCT CCCTTCCCCA GGCACCGCGG	60
CGGGANGCCC TGCCCTGCCG CTGAACCCCC TGTGTCCTGC TCCGGCCCTC TCGCCAGGNA	120
CTCCTGGCCT AGCCTTGCAC CCCGACCCTT TCCCGGGGAA GCCGGGGGA CCTTACGCTG	180
GGGGCTTGGT GCCGCCCGAA GTNATGACCC CGCGTGGGAA GAAGCAGGGT TAGGGGGTNG	240
GGAGTCCTTG GTAAGATCCC TGGACGTCAG NACAGTAGAG GCGGGTGGTA GANGGGTNGG	300
	300
(2) INFORMATION FOR SEQ ID NO:973:	
<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 209 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:973:	
GGCACGAGCG GGAGCAAGAG TCCGCTGAGC TGCAGTGTCT GGTCGAGAGT ACCCGTGGGA	60
GCGTCGNCNC GGGGAGGCAG CCGTCCCGGG TTAGGTGGCG TGGCCGACCG GACCCCCAAC	120
TGGCGCCTCT CCCCGTGAGG GGTCCCNAGC TAGGAGATGG GAGGCACAGC TNCGTGGGCC	180
TNGGCGGAAA GNAATGCGGG GTCCGCTTN	209
(2) INFORMATION FOR SEQ ID NO:974:	
<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 421 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:974:	
GGCAGAGCGG GGACATAGTG AACACTTGTT CGGGGACATG NTAGACACTT ACAACTAAGG	60
CATAAGAACC CGTTTATGGA GTCGCTTATG CCCTGGGAAT GCNAGAAATA CCATGTCATT	120
ACGTACTGAG TTTGTTTNGT TCGCCTCGCA GGNACGGGGC GACATCCGTT CCCTCTGCCG	180
TCGCTTCGGC ATTTNACCTG CCACCGGTTA CAAGTGGCTC CAGCGCTGGG CTCAGGAAGG	240
TGCCGCCGGT CTTCAGGACC CCCCCGNGCC ATTCCGCACC ATTCCCCGAA CCGTTCATCT	300

GAACGACATC ACGGCCCTGC TGCGTATGGN CCCATGAACC GTAAGNAACG TTGGGGAGCC

360

CGNAAGTTTA AGCGTTGGTT CNAGGGGGGG CCCGTACCAT TGGCCTTTAA TNAGTCGATT	420
A	421
(2) INFORMATION FOR SEQ ID NO:975:	
<ul><li>(i) SEQUENCE CHARACTERISTICS:</li><li>(A) LENGTH: 393 base pairs</li><li>(B) TYPE: nucleic acid</li><li>(C) STRANDEDNESS: double</li><li>(D) TOPOLOGY: linear</li></ul>	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:975:	
GGCACGANAA GCGTACTGCA ATTAAGGCCT TCAATNAGAC TATCAAGATC TTTNAAGAGC	60
AGGGCCAGAC TCAAGAGAAA TGCAGCAAGG AATACCTGGA GCNCTTCCGG CGTGAGGGCA	120
ACGAGAAAGA GATGCAAAGG ATCCTNCTGA ACTCCGAGCG GCTCAAGTCC CGCNTTGCCG	180
AGATCCATGA GAGCCGCACG ANGCTGGAGC AGCAGCTGCG GGCCCAGGCC TCGGACAACA	240
GAGAGATCGA CAAGCGCATG ANCAGCCTCA AGCCGGACCT CATGCAGCTG CGCAAGATCC	300
GAGGACCAGT ACCTCGTGTG GGTTCACCCA GAAAGGCGCC CGGCAGAAGG AAATTCAANG	360
NTGGTTGGGG GTTTAAAATG NGATNNGTGG TAT	393
(2) INFORMATION FOR SEQ ID NO:976:	
<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 472 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:976:	
GGCAGAGAAA CAGCTGTNTG AATTATGTCT GCACTAAGTC TCTGGCAGAG GAAGCCCAGA	60
GGCCGTGAAC AGCATATCTA AAAGCCCGGA CATGTCTTGA AAAGGTCAGG GANACGTCTG	120
TAAATAAGGA CTGACGTTTG GGAAGGAGGC CTGAAGGATT AAGTAGACCT TNCCCCAGTG	180
GGGNCGAAGG AATGGGGAGA GAAGTCCCTG GTAGAGGGGA ACCCCATTTA NCAGAGCTTC	240
CGGAACGTGG GNAAGGAAGC TTGAACTCTG CCGAAGGNAA CTGGNAGGAA AGACCTGTGT	300
TACTGCCAGG GTCCAAGAGC TTGGGAAGAG GGTAGGTTGG GGGCCAGATG GTGCCCGGGT	360
TTTGGTTGGN CGGTGAGGAG GAGNCTGGGG ATTTGGAACA CCTGCCTTTT TGGAGCTGTT	420
NGAAAGGATC CAATGAGTTC ATCCTTCTTN TTACCAATNC TGGNTTCCCA TT	472
(2) INFORMATION FOR SEQ ID NO:977:	

(i) SEQUENCE CHARACTERISTICS:	
(A) LENGTH: 410 base pairs	
(B) TYPE: nucleic acid	
(C) STRANDEDNESS: double (D) TOPOLOGY: linear	
(b) forobodi. Tilleat	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:977:	
GGCACGAGTG GCCACAATAG AGGCCATTAT GCAACCTTGA AAAGTTATTG TGATAATGAC	60
0101710011 more 110111 miggares a reconstruction of the contraction of	100
CACATAGCAA TGTGAAGAAA TAGGCATGAC ATGTATCTAA GTGAAAAAGA TGACATAAAA	120
NCTCTGCACC CAAGTAAAAC TATGCAAAAG GTAAATATGC AAAAAGGAAA TAATGCAAAA	180
NGAAAAGGGT TGTTATGGTG ATAAAATTAT GGCCATGTTT TTATTCTTTA TTTCATAAAC	240
NOMMAGGGI IGITATGGIG ATAMATTAT GGCCATGTTT TTATTCTTTA TITCATAMAC	240
TCTGTAATAT GTTATTATTT TCATAATTAA AAATTATACT TTTAAGAAAG GAATGCCCAC	300
TNGGAATTGA GCTCATTTAG GCATTGAGTG AAATTACTGC TTTCAAAGNN ACAGCNTTAT	360
GAAGGATTNA CAAATGTGTT TAGAAGCCCN TTTTTTGTGT TTGTAACATT	410
(2) INFORMATION FOR SEQ ID NO:978:	
(i) SEQUENCE CHARACTERISTICS:	
(A) LENGTH: 358 base pairs (B) TYPE: nucleic acid	
(C) STRANDEDNESS: double	•
(D) TOPOLOGY: linear	
/ ' GROVENVOR DEGOREDATION GEO ED MO OCO	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:978:	
GGCACGAGNA TAAACAGCTC AATGAAATTA CTAAAAAGGA AAACACTGGC ATAAACGGTC	60
CCCAGATCAA GATATAGAAT GTNACTAGCA CTTGTAAGGC CCTCTTGTTC CCACTTTTCT	120
AATTCTGTTC CATGGAGAAC CACTATCCTG AACTTCTGAA TACCATAAAT NAATGCTTAT	180
•	
TTGGGGGTTT AATTTTGAAA GGGATTAGGA AATACATAGT GTTCTGGGTC TGGTTTTATC	240
CATGCCATTG AATTATGCTT GTGGTTCATT NCATTCTCAT TGCTGNCATA TTAATTCCTT	300
TTGAAATTNT TNTGAGCACA ATTTAATTTT AANTGTTGAT GGGACATTTT TCCCTGCA	358
(2) INFORMATION FOR SEQ ID NO:979:	
(i) SEQUENCE CHARACTERISTICS:	

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:979:

(A) LENGTH: 100 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: double (D) TOPOLOGY: linear

AAACATGGTG CTGTTTACTG NGGACCCGAN CANCGTCCAG GAAGCATGGG GTCCGGTCGG	60
AGCGAAAGAT GGCGNGTTTG GTNAGGAGGC ACTGGCGAGG	100
(2) INFORMATION FOR SEQ ID NO:980:	
<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 237 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:980:	
GGCACGAGCG GCACGAGGGA ATGGAGTNAA ATGGAATGGA ATAGACTCGA ATGTAATGGA	60
CCAAAATNAA ATGGACTCGA AGGGAATGAN CTCGAATGCA ATGGAAGCGA ACGGAAAGGA	120
ATGGAATAGA CTCGAATGGA ATGGACTGGA ATGGTATGTN AATGGNAATG GNAATGGAAA	180
CGAATGGTAA TGGAATTCAA TGGGAATCGA ATGGGAATCA AATGGNAATG GNAATGG	237
(2) INFORMATION FOR SEQ ID NO:981:	
<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 415 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:981:	
GGCAGAGGNC ATGGCTGGCT AGTTGTCTGG AGTGTGGATC AAGAGAGACA GGATTATATT	60
ACATGCTCTG GTATATTACA TTAAGCTGGG TCCTGATTCA GGGCCAATAT TTAAGTTCAC	120
TGAATGCTTG TTGCCTCGGA ATNTCTCTCT GGCTGAATGG CTGAATTTAT CTCCCTGAAA	180
GAAACATGGT GGTTAAGTCT CATGAAGCAG TCCATAGACT TATGAAACAA AATGCTGCAG	240
CACTTTTCTG TCTCAGGGAT AGAGACATGT AGGGAAAATG AGCACTGGGC TGAGAGTCAC	300
ATGTACTATA TTCTAGACCT GACACTGCCG TCAAGCAGGT GTTTTCACTC AGGGGCAATT	360
CTGTTGTATT TCCGGAAAAA CTCCNTTTCT NAATCTATAA ACTNNGGNGA AAATG	415
(2) INFORMATION FOR SEQ ID NO:982:	
<ul><li>(i) SEQUENCE CHARACTERISTICS:</li><li>(A) LENGTH: 220 base pairs</li><li>(B) TYPE: nucleic acid</li><li>(C) STRANDEDNESS: double</li><li>(D) TOPOLOGY: linear</li></ul>	

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:982:	
GGCACGAGCC CTGCACTCGG GTTGATTCCA ATCCATTCCA TTCCATTCCA	60
TTCCAATACA ATTNTTTCCA TTCCATTCTA TTCCGTACCA TGCCATTCCA TTCCACACAA	120
TTCCATTNCA TTCCATTCCA GTCCGTNCCG TTCCGTTCCG TTCCATTCCA TTCCATTCNN	180
ATGCTATTCG AGGTTAATTC CATTCCATNC CATTCGATTG	220
(2) INFORMATION FOR SEQ ID NO:983:	
<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 202 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:983:	
GGCACGAGCT GGGTCGCCAC CCCTTCCCTC TCCACCTCCT CCAGCCCAAG CCCTAAGGCG	60
TAGNAAGGTG GCCCTGAGGC CCCGCTTGGC GTNGGANNCG GGGGTCTTTT TGCCTTAAGG	120
AACCCGCCGC CGCATTCCTA GGGTTTTTAA AGATCCTCTC CCCCCGCTCC TCCAGCTCCT	180
CGTTGAGCCG GAGGAAGGCC TC	202
(2) INFORMATION FOR SEQ ID NO:984:	
<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 265 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:984:	
CTGCTTCCTA GAGGGCAGCA AGGTCTCCCG GGTNACCCTG CACAACGAGA GCTACATAGA	60
GGAGTTGGAC ATCCGCATCG GGGACTGGTT TTTGGTGCAC AAGGCGGGCG GGGTCATCCC	120
CAAGGTCCTC CGGGTTNCTC AAGGATTTNC GCACGGGGGA GGAAAGGCCC ATTCGCTGGC	180
CCGAAACCTG CCCCGATTNC GGNCACCGTT TCCTTCAAGG TAGGGGNAAG GTTNCACCGC	240
TGGCCCCAA CCCCTTTTNT CCCCG	265
(2) INFORMATION FOR SEQ ID NO:985:	
<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 253 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:9	85:		
CTTGGCCAGN AATGTGGTTT TAATTTGTAT TCCCCTGATA	ACTAATGAAG	TAGAACTCTT	60
TTTCATATAT TTACTATTCA TTTGGAGTGN TAAAAAAATT	TTATGANCAC	TTGCATTTTA	120
AANTATTAAA CTTTCCTATG TTAAGAAGGG CTGTTGTAAA	TTAGTTATGT	NCTAAAACAT	180
TTGGGCATAN TCATTGCAGT CTATCTCTGT GATTTGCNTA	AGTTGTGNAT	TCTTTGGAAA	240
TATTTTTTC CNT			253
(2) INFORMATION FOR SEQ ID NO:986:			
<ul><li>(i) SEQUENCE CHARACTERISTICS:</li><li>(A) LENGTH: 398 base pairs</li><li>(B) TYPE: nucleic acid</li><li>(C) STRANDEDNESS: double</li><li>(D) TOPOLOGY: linear</li></ul>			
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:9	86:	.ª	
GGCAGAGNCA CCTGCGGTCT CCTGCATTAT CAGGAAGATC		GTGGAATCAT	60
TCTAACAGCC AGCCACTGCC CTGGAGGACC AGGGGAGAGT	TTGGAGTGAA	GTTTAATGTT	120
GTCTCAGACA AAATCTACCA AATCAGCAAA ACGATTGAGG	AATATGCTAT	ATGTCCTGAT	180
CTCCAAATCG ACCTATCTNC GACTAGGGAA GACAAGAATT	TGAACCTAGA	GAACAAATTC	240
AAACCATTCA GAGTAGAGAT AGTGGGACCC ATGGGATTAT	CTATCTTNAA	CCTCCTTTCG	300
GGACCATCTT TTGGACTTTN CATGCCCTTC AAGGAGTTTG	GCTTGGNACT	NGGGGGCCCC	360
AGGCCCAAAC TNGGAAAGGA TTTTCGGCGG TTTGGTAN	·		398
(2) INFORMATION FOR SEQ ID NO:987:			
<ul><li>(i) SEQUENCE CHARACTERISTICS:</li><li>(A) LENGTH: 493 base pairs</li><li>(B) TYPE: nucleic acid</li><li>(C) STRANDEDNESS: double</li><li>(D) TOPOLOGY: linear</li></ul>			
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:9	87:		
GGCAGAGGTA ATTCTNCGTT AATTCGGCAC CANAGGATTC	ACACTGGAGA	GAGACCCTAT	60
CACTGTAAGG AGTGTGGGCG AGCCTTTAAT GATAATGCAA	ATCTGAATCA	GGCATCAAAN	120
AATCCACAGT GGGGNACAGA CCCTATTACT GTACAGAAAC	ACGTGAATGT	GGGAAAAGCA	180
201201-0-0-0-0-0-0-0-0-0-0-0-0-0-0-0-0-0	E00110011		240

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AAGGGAAACC TTTGCATATG TGAAGGTAGT GTGGGGAAAT CCTTTCAGCT TACTTTTCCT	300
TACTNTTGCT TAGGNCACCA GTGTNTTTCC ACACTGGGGG NGGAAACCNT ATGGNGTGTA	360
ATTGAGTTTG GGCAAAGCTT TTGGNAAGGN CTTTCCCTTT TAGGCCANCA NCAGCGTTTT	420
TCNCACAGGG GGGAAAGGCN TTATTCTTGT AAAGTATTGT GGGCCAGNCT TTCAATTTTT	480
CCTTCCAAAC TTA	493
(2) INFORMATION FOR SEQ ID NO:988:	
<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 493 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:988:	
GGCACGAGGG CTAAGTGAGA GGGGGCAGTG CTTCAGGCTT GCTTCAGGTC ATCCAATAGA	60
CAGCAAATCC TGCCACCTTG TCCATCAGAG AAGCCATTCG TCCTCCCACT AAGAGAAGTG	120
AATTAGGGTA CAGAGGAAGG AAAAACCAGA AGTAATACCC CCAAAATGCA CCCCTCCTGG	180
GGGCTAAGGC AGGAATCCCC TCATCAAAAC AAGACTGAAT TAAGAAGTGC TTGACCTTAT	240
GAGTACTAAG CCCATGTCTC TGTCATTGAG TTCCTGTGCT ATCCTTTGGC ACTATGGATG	300
AGGACTTCGA AGGGAATGAT GATGTCCTTA TTCTTTCACA ACATCACTAT CCAAGCTTGA	360
AGGAAGGAAN TATGGGCACA CCCGAATTAA NTGCAATATT TTAGGAAAAC TGTAGTGGAA	420
GTTTTNAAAT TGTGGTACNT GCCCAGTATT GGATGGGGGT AAAAAGGAAG GTTCCAAAAA	480
GNGNTNAAAA ATT	493
(2) INFORMATION FOR SEQ ID NO:989:	
<ul><li>(i) SEQUENCE CHARACTERISTICS:</li><li>(A) LENGTH: 501 base pairs</li><li>(B) TYPE: nucleic acid</li><li>(C) STRANDEDNESS: double</li><li>(D) TOPOLOGY: linear</li></ul>	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:989:	
GGCACGAGCA CATCCTCACT AGTATGCCAT TATTTCTTCA TGTACTTTTT CAGTCCAACT	60
GTCCCATTGG GCAGTTCTGA TACCACCAGA GAAGGCTGAC GGAGGGAGTC CTATTAATGC	120
TGGTTAGGGG TGGAAGTCCA GATAATCCAG GCAATCTCCA CTGCCACTGT GTGGTGGGAG	180

CTTGTTATNA CCTACTGGAG TAGAAGGTTT TGGGGTCCCT AAACAGTCAG CCACCTCTNA

240

CGTTACCCCA ATGTGGGTTT GAGTGCTTCG TTACTGCCTG ATGGTGGTGA AAGTCTAGTA	300
TCTCCAATTG ACCTTACTCG TGTGGGTGGG GATTAGGTCA CAGTTTTTTG GTGTGGGGGG	360
CAGAGGGGT TGCTNTTTGA CAGCAGGGTA GTGGTTATTG TTTAAAAGTT TTCTGTTCTT	420
AAATAGGGTG ACCTTTTCCT GGTTCTTTGG CTAGAGAGAG CAAGTTTTTG TTGGAGTTCT	480
TTCTGTCTGT CCNGTTGGTA T	501
(2) INFORMATION FOR SEQ ID NO:990:	
<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 285 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:990:	
GGNGGAGATG GCCTTCTCCA CGGTGNCTGC GGATGTCCCA CGNGTCTCCG NCACCCACTG	60
GACATCTGTG CTCGCAATTA TAGATGCCCT TTAGCTCCTC ATTTTGAGCA AGAGGAGCTC	120
GAGTTCTCCT TTGGCTCGTG NATGGAATCN ACAGCAGGTC AGGAGAGATT CAACAGCATT	180
ACCTCAGCTT ATTACAGAAG TGCCAAGGGG ATCATATTAG TATATGAATA TCACTAAGGA	240
NGAAGTTAGA AATCCTTNAT GAAGGGTACC ANCAACAGCA NGTGN	285
(2) INFORMATION FOR SEQ ID NO:991:	
<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 402 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:991:	
GGCAGAGCCA CAATGTAAGC ACCAAACTTC AGCACTTGGT CGTACATATC TATGGAGAAT	60
GNGACAAATT AGAAATCAAG AAATTTCTCT TCCTCAAAGC AGTACTTTTA AACACTGTTC	120
AGGACCTCTG GCCACGNAGA AGCCTCCTTT NACTATGCCT CCTGTTTGGC CACCCTATAG	180
ACTAAAGGGA GTATCGACCT GTATCCCATT CAAGACTCCA GAGGATCTTC AAAAGCACAA	240
GACAGCAACA GAGAGATGCA CTGTCTTTCA CAAGATACAG TGTGTAAGTC TTNCCAGATT	300
GNCCTTTCCC ATTTTATATC CNCTCNGNAT TTCTGTACTC ACGGTTTTCA CCNCCNTTAA	360
TTTCACATTT GGTTCTTACA AAGGTTGGGG TATTTTTCCA AG	402

(2) INFORMATION FOR SEQ ID NO:992:

<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 376 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:992:	
GGCACGAGGT CCTTTTTATT CCAGTCCACT GCATTCTGGT CCATTCCATT	60
CCATTCTATT CCATTCCATA CAGTTGCATT GCTTTGGATT CCATTCTATA TCTATAANTT	120
CAATTCGAGA CCATTGCTTT TGAGTGCATT CTATATGATT CCATTCCATT	180
ACATTTGGTT CCATTCCATT CCCTTCCATT CCATTCCATT	240
CCATTCGATT CCATTCCATT CGAGCACATT CCATTCGAGT CCATTCCATT	300
TCCATTTGAA TTCTATTCCA TTAGTCTCCA TTCAATTCCA TTAAANTTCC ATTCCATTCC	360
ATNCTATNCC AACTGN	376
(2) INFORMATION FOR SEQ ID NO:993:	
<ul> <li>(i) SEQUENCE CHARACTERISTICS: <ul> <li>(A) LENGTH: 497 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul> </li> <li>(xi) SEQUENCE DESCRIPTION: SEQ ID NO:993:</li> </ul>	
GGCAGAGNAA AAAGTGTCTN CTTTGGACCA GATTTCATCA CTGTCACAAA GGAAAATNAA	60
GAATTAGACT GGAATTTACT GAAACCAGAT ATTTATGCAA CAATCATGGA CTTCTTTGCC	120
ATCTGGCTTA CCCCTGGTTA CTGAGGAAAC ACCTTCAGGA GAAGCAGGAT CTGAAGAAGA	180
TGATGAAGTT GTGGCAATGA TTAAGGAATT GTTAGATACT AGAATACGGC CAACTGTGCC	240
AGGAAGATGG AGGGGATGTA ATCATTACTN CTGAAAAATG GAATTCCAGA ACATGCTGCC	300
AGTTTTATAT TCCGGAGGTA GAAGGCGTAG AACAGGTTAT GGATGATGAA TCAGTTGAAA	360
AAGGANGCAA ACTCACCTTA AATNATCTNG GNTTTTTTTN GGGCNTAACA TCCGANTGTT	420
GATATATATT CCAGTTTTTA TTATTAAANG CTGGGGACTN NAGGTTATNA AATTGCCTTC	480
CGGGATGTTT TTAANTG	497
(2) INFORMATION FOR SEQ ID NO:994:	

(i) SEQUENCE CHARACTERISTICS:

(A) LENGTH: 310 base pairs (B) TYPE: nucleic acid

(C) STRANDEDNESS: double
(D) TOPOLOGY: linear

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:994:	
GGCANAGCCA GCACTTTGGG AGGCCGAGGG GTGGATCACG AGGTCAGGAG TTCAAGACCA	60 ′
GCCTGGCCAA GATGGTGAAC CCCATCTCTA CTAAAAACTA CAAAAATTAG CTGGGCATGG	120
TGGCAGGCTC CTGTAATCCC AACTACTTGG GAGGCTGAGG CAGGAGAATC TCTTGAACCT	180
GGGTGGCAGA AGTTGCAGTG AGCTGAGATC GCGCCACTGC ACTCCAGCCT GGGCAACAGA	240
GTGAGGACTC CGTCTCAAAA AAAAAAAAA AAAAAAAAA AAAAAAAAANN NTGGGGGGGG	300
CCCCNANCCC	310
(2) INFORMATION FOR SEQ ID NO:995:	
<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 431 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:995:	
ATTTATTATT ATTGTTTATT TATNCTTGCA CTTGATGAAA TGTAATTAAN CGCTTTGTCT	60
TATGTGGTTT TTTAATTGTC ATTTTACTGT TTAATTTCTC CATAGAGTAT ATGTATTTTT	120
GNANCTCAGA GACTCTGCCT TTTCCCCTCA TAGTACACAG CATAATACTA AGCTGTTAGA	180
AGAGTTCAAT TGAATGTTAA TTCATCTGAG TAAACAAACT TGTATATGTA TTTCAAGTAC	240
CTCTACCAGT GGTAGTTGGA ATCTGTTCCA TCAGAAGAGN TTTCTTAAAT CTGNAATAGT	300
NAAAGTGTTT TATATTCTTT GCTCACAGAA TGAAGGGCAG GAGACCTTTN AAAATGGTAA	360
TGATGGTGGA ACCACATATT TTTAAAAGNG GTGGAGGTTG TTCCGGCNGT GGTATTGNTT	420
TAANCCATGG T	431
(2) INFORMATION FOR SEQ ID NO:996:	
<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 326 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:996:

CAGAGCAGTC TTTGGCCTCC CAGTAAATTC CAATTTCAAA CAACTTTTAA CTCAAACTTC	120
ACTCTTAGAT TTTTAACAAG CTTTTCACAC ATACATCATT AATGCTTCCC CTAATCTTTC	180
ATGTTGTACT GGCTATTGGG CAGTTGTGTT AAAAAAAAA AAAAAAAAA AAAAAAAAA AAAAAAA	240
CACTCCCAAA GCGCTTGAAT TTATTTTNNT TTGGGGGAAT AAGAGACCTT TTNTAAATNG	300
TTTTTCGATA AAAGGTAATC CNTTTT	326
(2) INFORMATION FOR SEQ ID NO:997:	٠
<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 466 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:997:	
GGCACANGAT TTTNTNAGTT TTTGGGTGTC TGTAAATTAA AAAGGAAAAG TAGAAATAAG	. 60
TAAAACTNAG GTTGAAGGAA ATATACATAA ATAAGATAAA GCTGACCTGT AGATATAGGC	120
AGGTTATAAG AGCTTAGAGT TGTCTAAGTT GGGTGCAAAT TTNCCTCTGA NCTTTCTGAT	180
GCCGAGACAA AAAAGGCAGT CCATATTINT TACGTGATTG GGGTGGAACC CGAGAGGAGA	240
ACATGCTGTN TTCTTNTGGG ACAGGAAAGC TTGCNTGGCA CCAAGTCTGA ACCANNAACT	. 300
TCATTGGTGA CATAGATTAT NTGCTGGAAC ATATTTTCAC ANCGGCCTGG CATAACCNCT	360
TGTTAGTGTT TGTACATTGG GAACGGTTCA TTTTCCCTTA AGCACCATGT GTTTTTGCCA	420
TGGGAATGGT CCTCNNCCCT TAAGGACANT TNCCTCGNAG TTATGC	466
(2) INFORMATION FOR SEQ ID NO:998:	
<ul><li>(i) SEQUENCE CHARACTERISTICS:</li><li>(A) LENGTH: 120 base pairs</li><li>(B) TYPE: nucleic acid</li><li>(C) STRANDEDNESS: double</li><li>(D) TOPOLOGY: linear</li></ul>	
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(xi) SEQUENCE DESCRIPTION: SEQ ID NO:998:	
GTTCACAAGT NGGGGAGCCT GTAGCTTTGG GTCTCANTAG CTCCTGGGGT AGTATTTNCC	60
CTTNATTTCT GGCCCTGTAT ATCTAATTTN AATGACATCT GTNAAGGAGA CAGTGGAGGG	120
	120

(i) SEQUENCE CHARACTERISTICS:

(2) INFORMATION FOR SEQ ID NO:999:

(A) LENGTH: 491 base pairs(B) TYPE: nucleic acid(C) STRANDEDNESS: double

(D) TOPOLOGY: linear	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:999:	
CCTACCCATT TAACTTATAT GCAGAGTACA TGATAAACGC TGGGCTAGAG GAAGCATATT	6(
GTCCTCGATT CCAAGCATAT TGGAATCAAG ATTGCTGGGA GAAATATCAA TAACCTCAGA 1	20
TATGCCAGAT GAACACCACC CTTATGGCCG AAAGTGNAAG AAGAACTAAA GAGCCTCTTG 1	8(
ATGAAAGTGN AAAATGGAGA GTGCAAAAAN TTGGCTTAAA AGCTCCAACA TTCAGAAAAC 2	4(
TAAGGATCCA TGGCATCTGN GTCCCATCCA CTTCCATGGG CAAATAGATG GGGGAAACAT 3	0 (
GGAAAACAGT GGGCTGACTT TATTTTCCTG TGCNTCCAAA TTCACTGCAG ATGGTGGACT 3	6(
TACAGCCCTN AAATTTAAAA GACGTTTTAC TCCCTTGGAA AGAAAGTTTT GACCCAACNT 4	20
GGNCCGGCTT TTTAAAAACC GGGTTTTTTA CTTTTGTTCA CCGGGGTNCC NTTNGTTCAA 4	8(
GGTTTGGTTT T	9:
(2) INFORMATION FOR SEQ ID NO:1000:	
<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 274 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1000:	
GGCACGAGGN GAAGGACGGC AAGGCCTACT NTCGCAAGGA CTACTTCGAC ATGTTCGCAC	6(
CCAAGTTTGG CGGCTGCGCC CGGGTTCATC CTGGAGAACT ATATCTNNGC CCTCAACACG 1	2(
CTGTGGNCAT CCTGAGTGCT TTGTGTGCCG GGGAATGCTT CACGCCATTC GTGNAACGGC 1	8(
AGCTTCTTCG AGCACGACGG GGCAGCCCTA CTNTGAAGGT GCACTACCAC GAGCGGCGCG 2	4(
NCTCGNTGGT GNTTCTGNGC TGCCAGAGGC AGAT 2	74
(2) INFORMATION FOR SEQ ID NO:1001:	
<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 352 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	

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ATGTTTCAT CATGGACAGC CATGATGATA TATTATTATC TCANCTTTAA TCCTTGGTGT	60
GGTTGATTTG GGATCTGCCC CTGAANCATC TNTCGAGAAA TGCTCCAACA GAGCAGNAAT	120
CTTAACANTC ATTCACAGAA ACATTGTTAA GAAGTGCCTT GAAGCTGTTT TTTGAGGTGG	180
CAGAAGACAA GGAGAATTGC AAGAAATTCA ATGAGGCCTT ATCTAAAAAT CTAAAGCTTG	240
GGNCCAGTTG TGGGTATCTC ACCTTTGTAA TCTCAGGCAC TTTGGGGAGG GCCAAGGCCA	300
GGTGGGNTTT GNTNGGNAGC CCAGGGGTTT TTGAATACCC ANCTTGGGGT TG	352
(2) INFORMATION FOR SEQ ID NO:1002:	
<ul><li>(i) SEQUENCE CHARACTERISTICS:</li><li>(A) LENGTH: 364 base pairs</li><li>(B) TYPE: nucleic acid</li><li>(C) STRANDEDNESS: double</li><li>(D) TOPOLOGY: linear</li></ul>	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1002:	
GGCACGAGGN AACTTTNAGT GCAATGTTCC TCTGGGCATG GAGTCTGGCC GGATTGCTAA	60
TAAACAGATC AGTGCCTNAT CTACCTACTC TAATGNGAAG GTGGACCCCT CAACAAAGCC	120
GGNTCCATGG TGATGACAAT GGCTGGACCC CCAACTTGGG ATTCCAACAA GGAGTATCTC	180
CAGGTGGNCC TGCGNTTTTT AAACCATGCT GACGGCCATC GCAACANAGG GGAGCGATTT	240
CCNGGGNAAA CACAGGAATG GCTACTAATG TGCAAATCCT ACAAGCTNGG NAAGTTCAGC	300
ACTTAATGGG TGAGGACTGG NATGGTGTTA CCGGTGATGG CCAAAAACCA CANGGTTTTT	360
TNCA	364
(2) INFORMATION FOR SEQ ID NO:1003:	
<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 478 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
(vi) SEQUENCE DESCRIPTION, SEC ID NO. 1002	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1003:	•-
CCTCTNAAAA TGTGCTTTGC TGCTAGAAAC CTAAGCATGC CGGATCTGGA AAACAGATTG	60
ATAGAGCTAC ATTCTCCTGA TAGCAGGAAC ACGTTGATCC TACGCTGCAA GNATACAGCC	120
ACAGCACACT CCTGGTTCGT AGCTATCCAC ACCAACATAA TGGCTCTCCT CCCACAGGTG	180
TTGGCTGAAC TCAACGCCAT GCTTGGGGCA ACCAGTACAG CAGGAGGCAG TTAAAGAGGT	240

GAAGCATATT GCCTGGCTGG CCAGAAACAG GCAAAACTAG NTGGTGGGAG GACAGCAATT

300

GGNGACCTGT TCCTCATGGG NTGTGAACTG NGAAAGGGAT TTGCTGGNTC TNTGGACTGT	360
TATGCCCTTG GGACCAGGGT TGCCTGGGGN TTCACCCTGG CCACAGTTAC CCANTTTTTN	420
GCCACCAGGT TTGGTTTCCT TTTTTGGTTC CGGATNTTGG TTCCCCTTCC CTTTGGGT	478
(2) INFORMATION FOR SEQ ID NO:1004:	
<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 280 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	-
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1004:	
GGCAGAGGTC TTTNCTTNGG AGATGGGCAG AAGCTGAAGG ACTGGCATGA CAAGGAGGCT	60
ATCCGGTAGG AACGCTCAGC GCGTAGTAAA TGGAGAACAA GGAAGACCTT ACCCCATGAA	120
CCGATGCTGA GAGAGTGGAT CAGGCATACC GNGAAAATGG TTTTNAACAT CTACGTCATA	180
ATAAAATCTC CTTGAATCGC NNTCTCCCAG ATATCCGGCA CCCAAACTGC AACAGCAAGC	240
GCTACCTGGT NGACACTTNC CANCACAAGC ATCATCATCC	280
(2) INFORMATION FOR SEQ ID NO:1005:	
<ul><li>(i) SEQUENCE CHARACTERISTICS:</li><li>(A) LENGTH: 495 base pairs</li><li>(B) TYPE: nucleic acid</li><li>(C) STRANDEDNESS: double</li><li>(D) TOPOLOGY: linear</li></ul>	
(wi) CROMENCE DECORTOMION, CRO. ID NO. 1005	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1005:	
AGTATGAAAG TCTCAGCAAA TTTATTTTTA TTCAGTTAAA TATGTTTTAC TCAAAGTGAA	60
CTGAAATAAA TTTCATCAAA TTTGATATAT TATGAGTTTA TTTAGAAGAC AGACAAATGT	120
AATCCCCAAA GTTCTGAACC TTCTAACTTC AGTTCAGTTG CTCAGTTGAG TCTGACTCTT	180
TGTGACCCCA GGAACCGCAG CACGCCAGGC CTCCTTGTCC ATCACCAACT CCCAGAGTCC	240
ACCCAAACCC ATGTCCATTG AGTCGGTGAT GCCATCCAAC CATCTCAGCC TCTGTTGTCC	300
CCTTCTCCNN CTGCCCTTNA ATCTTTCCCA GCATCAGGGT CTTTTCAAAT GAGTCGGGTC	360
TTCACATCAG GTGGNCAAGT ATTGGGNTTT CAGATTCAAC GTCAGTCCTT NCAATNGAAC	420
ACTCAGGACT GATCTCCTTA GGGTGGACTA GTTGGGTCTN CTTGCAGTCC AGGGNCTTTC	480
AGGGTCTTTT NACGG	495
(2) INFORMATION FOR SEQ ID NO:1006:	

	<ul> <li>(1) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 465 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
	(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1006:	
	GGCACGAGCG GAGGAGAAAA GGTGGTGCTC NGACCTAATG ATGTTTCAGT ATTTACGACG	60
	CTCACCATTA ATGGACGCCT NTTTGCTTGC CCGCGAGAGN AATTCGATTC ACTGACTCCC	120
	NTACCAGAAC AGGAAGGCCC AACTGTTGGA ACAGTGGGAA CTTTTGAACT GATGAGCTCC	180
	AAAGATTTAG CATACCAGAN GACANTTTAT GATTGGGAAC TCTTCAACTG CGTGCATGAG	240
	CTGGAGCTAA TCTATCACAC ATTTGGAAGG CATTAATTTT TAAAAAGACC ACAGCAAACT	300
	TGGGATTTGT TCCTGAGGAG ATTTTAATTG AAATTCAGTT TTGGGTCGTG CACTGAGATC	360
	TNCCTTTGTT TCTTCAGCTT CAGNAAGCGG TGGTTTCAGN TATTTAAAAA AAATTTGTTT	420
	AAGNTAGCAG NCCACTGTTA AGGGGTNTAA AAAATCTGGA ATTCC	465
٠	(2) INFORMATION FOR SEQ ID NO:1007:	
•	<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 150 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	·
	(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1007:	
	CCAGGCGCGA ANATCCCTCC AAATTNANGT GGGGCGATTT TGGCGCTGAN TACGTCGTGG	60
	AGTCCACTGG GGTTNTTCAC CACCATGGGA GAAAGGTTGG GGGGTTCATT TNGCANGGGG	120
	GGGTGNCCAA AAGGGGGTNC ATCATGTTTG	150
	(2) INFORMATION FOR SEQ ID NO:1008:	
	<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 279 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
	(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1008:	
	GCNTCGTNGC GAATATNTGG NACCCAAAAN TAGACCGATG CCATCACCGC AATATTAAAA	60
	ACAGCGATCA ATAAAAAGGT GTACGCCAGC TAAATTCCTG ATTTAAATAC GTTCCCAGCG	120

GAATGCCCAG CAAATTGGCG ACTNTGNATC CCGGAAACCA TCCCCGNCAC GGCGNCGGGT	180
GAACTTTTCC GGGTTTGAAT ATTTTNGAAT AACACGATCG NTTCCGACGG CCAATAATTG	240
CGCCCTGGGG AAAGCCGGNT ACCAGCCGNC CATGGGGGN	279
(2) INFORMATION FOR SEQ ID NO:1009:	
(i) SEQUENCE CHARACTERISTICS:  (A) LENGTH: 446 base pairs  (B) TYPE: nucleic acid	
(C) STRANDEDNESS: double (D) TOPOLOGY: linear	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1009:	
AAATCTAACA TTCGAATCAA AGGTGCCATT AAGCAGCCAG TCAACACTTA CGCCAAGAGC	. 60
TGACGCAATT CCTGGTAAAA AGCGTGGTCG CTTAGTTTTA CCGTTTTCAA GCTGCTCTAT	120
AGACTGCTGG GTAGTCCCCA CCTTTTAAGC AAGTTCAGCC TGGTTAAGTC CAAGCTGAAT	180
TCTTTTGCTT TTTAACCCTG GAAGAAATAC TCATAAAGCC ACCTCTGTTA ATTTACCCCC	240
AATCTTCCAC AAGAAAAACT GTATTTGAAC AAACAAGTTA CATTGTATGG AAAATTACAA	300
GAAAGTTTGT TTGATGGGAG GCGGTTTTGC AAACTCCTTT NCTGAAACGG CTTCAAGAAG	360
AGGGGGATTT GCGGTTAAAA TGNACGGCAA ACCGGAANTG GGCAACCAAG GCCGGTGTTT	420
AAACNGCAAT TCATTTCANN GGTTGA	446
(2) INFORMATION FOR SEQ ID NO:1010:	
<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 206 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1010:	
CCTCGCTNAA ACTNTNACAG GTCGGCGGCG CACGTNTTTC TGCNACCCTT GCGGCGCGTA	60
TTCCCGCTGA AATTGGCTGT AAGTTGCAGC AGGTGTTTGG NNATGGCGGA AGGGCCTGGT	120
GAAACTNACA CCCNGCTTGA ATGGATAGCG CCGGNGAAAA TTAATCCATA CCCAGGGTTT	180
ACCCAATGTN TTCCGGTTGG NCGGAA	206
(2) INFORMATION FOR SEQ ID NO:1011:	
(i) SEQUENCE CHARACTERISTICS:  (A) LENGTH: 205 base pairs  (B) TYPE: nucleic acid	

(C) STRANDEDNESS: double
(D) TOPOLOGY: linear

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1011:	
AATAAAGATG CAGGANTTTA ATATTGCGGT GGGGTAAAAC CCGGATGANA TGGCTCATCC	60
GCTANGATTA AAGNATTTAA AATNCCTGNA TTAACGCGTG CNAGGCCGTC CCTGAATNAT	120
TGCCGCTTCA CCCGTNGCCA CCAGGCAGCA AGCCATCTGG TTTTNAAGCG AATTCGGGAA	180
TCGNTTCGCT GCCAGCANGG CAACG	205
(2) INFORMATION FOR SEQ ID NO:1012:	
<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 360 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1012:	•
CAAAGACGCC GCCTCGAGAA CATCAGGTTT CTGAAAGGGA TGGGCTACTC CACGCACGCG	60
GCCCAGCAGA TTCTGCTCAG CAATCCTCAG ATGTGGTGGT TAAATGATTC CAATCCTGGA	120
AACCGACAAC CGTCAAGAAA GTCCTTCCCA GGAAAACATT GACCGATTGG TGTACATGGG	180
TTTTAATGCA CTCGTGGCCG AAGCTGCGCT GAGAGTNTTC AGAGGCAACG TCCAGCTGGC	240
CGCCCAGACC CTTGCTCACA ACGGAGGAAG CCTGCCTCCC GAGCTGCCGT GTTCGCCAGA	300
AGACTETTTG TECCEGECAG NEACGTNEES TTTTGAETTE GNGGAACETT TTAGTGNETN	360
	360
(2) INFORMATION FOR SEQ ID NO:1013:	
<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 347 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1013:	
(X1) SEQUENCE DESCRIPTION: SEQ 1D NO:1013:  CCTAAAAAAA ACAAACACTA AAGAATTGGT TAGAACAGCA AAATTTTCTT AAGGTATTGA	60
TTTACTCTTA ATAAAATTAC AAGAGTTTT AATTTTTTT TAGCCCAAAG TTCAACTTTT	120
ATTGCATTTT GCTGTTTTCA GCTTTCTCTC CCCTTTTAAA AGGCCTGAAA TAATAACTCT	180
CCTTCANCTG CATTTTCAGC TCCTGTGAGT TTTTCTCCCC TCAGGTTCTA ATTATTTGTT	240

GTGGCCTGAT GCTTAAAAAT GTTTTATCTT AAAGGTCTAA AGGGAAATGT TTTCTTGCTT	300
AACATAGTGT CCCGTGGCTC TTGGGNTTTN AAANTTGNTN CTATGGA	347
(2) INFORMATION FOR SEQ ID NO:1014:	
<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 380 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1014:	
CAAGCCCCAT AGGCAGGAGG CCCCCGGGNA GCACATCCTG TCTGCTTGTG TCTGCTGCAG	60
AGTTCTGTCC TTGCATTGGT GCGCCTNAGG CCAGGCTGCA CTGCTGGGAA GCTGGGCCAT	120
GTCTCCCCAC CCCACCGCCC TCCTGGGCCT AGTGCTCTGC CTGGCCCAGA CCATCCACAC	180
GCAGAGGATC TGCCCAGACC CTCCATCTCG GCTGAGCCAG GNACCGTGAA TCCCCCTGGG	240
GAGCCATGTG AACTGTCGTG TGCCGGGGCC CGTTGGGGTT CAAACATTCC GCCTGGAGAG	300
GGAGATAGAT GCACATACAA TGATTATTGN AAGATGTGTC TCAAGTTAGT NCCNTNTGAG	360
TCANAGGGC CAATTTCCGC	380
(2) INFORMATION FOR SEQ ID NO:1015:	
<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 492 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1015:	
CCGCCTTCGC TGGCATGACC AACCACCAGC TGAGCACCAC TGAGTGGTAA TGACGAGACT	60
NTCTACCAGG AGTTCAATGG CCTGANGAAG ATGAATCCCA AGCTGAAGAC CCTGTTAGCC	120
ATCGGAGGCT GGNAATTTCA GCACTCAGAA GTTCACAGAT ATGGTAGCCA CGGCCAACAA	180
CCGTCAGACC TTTGTNAACT CGGCCATCAG GTTTNTGCGG CAAATACAGC TTTGNACGGG	240
CCTTGACCTT GGACTGGGGA GTTACCCAGG GAAGCCAGGG GGAGCCCTGC CGTAGGACAA	300
GGAGCGNTTT CACAACCCTG GTTACNGAAN TTTGGCCAAT GNCTTTNCCA GCAGGAAGGC	360
CCAGACCTTT AGGGGAGGGA CGGCTTTTTT TTGAGTNCAG GGGTTTTCCA ATTGGGGNAG	420
ACCTTTNTNG GGATGTTGGT ACGGGGGTTG GNCAAAATTG GCCCGAACTG GGTTTTTTTN	480

(2) INFORMATION FOR SEQ ID NO:1016:	
<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 54 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1016:	
CTTTTTTTT TTTTTTTTT TTTTTTTTT TTTTTTTTT	54
(2) INFORMATION FOR SEQ ID NO:1017:	
(i) SEQUENCE CHARACTERISTICS:  (A) LENGTH: 163 base pairs  (B) TYPE: nucleic acid  (C) STRANDEDNESS: double  (D) TOPOLOGY: linear	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1017:	
CAGGGNCTNC CCGACCTCAA CCACTCCCAG GNTTATGCCG TNAAGACTGT NCTGCAAAGA	60
CCACTGAGCC TGATCCANGG NCCGNCAGCA CGGGGTAAGA CGGTGACGCG TTCCACCATC	120
GTCTACNCAC CTTGCCCGGC AAGGCAACGG GCGGTTNCTG GTG	163
(2) INFORMATION FOR SEQ ID NO:1018:	
<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 291 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1018:	
CCGTCCCCTT CGANAGCAAC GTGGGGNAGT ACCGGGCGGT GAACGGAGCT GGGGCGNCCT	60
TNATGCCNAG TACTGGAACA GCCAGAAGGA CCTCCTGGAA GCAAAGGCGG GCCGCGGTGG	120
AACACCTACT GCAGACACAA CTNACGGGGT TGGTGAAAAG CTTCANAGTG CAGCGNCGAA	180
GTTGAAGCCT GAAGGTGACT GTNTATCCTT CAAAGAACCC AGCCCCTGGC AGCACCACAA	240
CCTCCTGGTC TGCTCCTGTG AATGGTTTNC TATTCCAGGG CAGCATTNNA N	291
(2) INFORMATION FOR SEQ ID NO:1019:	
(i) SEQUENCE CHARACTERISTICS:  (A) LENGTH: 477 base pairs  (B) TYPE: nucleic acid	

(C) STRANDEDNESS: double
(D) TOPOLOGY: linear

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1019:	
CGCAACATTT TGGGAAAATA CAGTTCCATT GTACCTGCCA CCNTNNAGCT GTAGCCAGAG	60
ACCTTTATCA AAATGGGCTT GTTTCCACAG AACAGCAGAA CGGTTGGGGG TTTGCATGTA 12	20
CAGTTAACCA GCATAAGACT CGTACTGGGN AAAATCCAGC TGGGAATGTG ACACAGCTTA	80
ACTGATAGCT TAAGGCATCA GTATTGGGAC CAAAGGCTGG TCAGATTTGT ATCATTCTGA 24	40
GGACCAAATG ATGGGGAACA ATAAAATTGT TCCATGNACA GTTGTTCCTC ATTTTGCTGT 3	00
NCCAGATGAA GACTCTTAAG ANTGACAGAA GGTGATTTTT CCTGGGTGNN TCGAGGACTT 3	60
CCGGGGGTAA TGACCNTGAT GGAAATGCCA GGGGACCCGG TTAGGTTTTT TTTTGGGNGA 4	20
NTAACCGGGG GGTTGCCNCG TGGGACAAAC AGCNGTTTNC CAGGGTTTGG GTTGGTC 4	77
(2) INFORMATION FOR SEQ ID NO:1020:	
<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 50 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	-
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1020:	
	50
	5 C
CTTTTTTTT TTTTTTTTT TTTTTTANCT TTNCAANTTT TTNAAAAAA	50
CTTTTTTTT TTTTTTTTT TTTTTTANCT TTNCAANTTT TTNAAAAAAA  (2) INFORMATION FOR SEQ ID NO:1021:  (i) SEQUENCE CHARACTERISTICS:  (A) LENGTH: 489 base pairs  (B) TYPE: nucleic acid  (C) STRANDEDNESS: double	50
CTTTTTTTT TTTTTTTTT TTTTTTANCT TTNCAANTTT TTNAAAAAAA  (2) INFORMATION FOR SEQ ID NO:1021:  (i) SEQUENCE CHARACTERISTICS:  (A) LENGTH: 489 base pairs  (B) TYPE: nucleic acid  (C) STRANDEDNESS: double  (D) TOPOLOGY: linear  (xi) SEQUENCE DESCRIPTION: SEQ ID NO:1021:	50
CTTTTTTTT TTTTTTTTT TTTTTTANCT TTNCAANTTT TTNAAAAAAA  (2) INFORMATION FOR SEQ ID NO:1021:  (i) SEQUENCE CHARACTERISTICS:  (A) LENGTH: 489 base pairs  (B) TYPE: nucleic acid  (C) STRANDEDNESS: double  (D) TOPOLOGY: linear  (xi) SEQUENCE DESCRIPTION: SEQ ID NO:1021:  AGAGGTGTCT GTGTTTGAAG TCAACATTCG ATTTATTGGA GGCCTACTTG CAGCATATTA	
CTTTTTTTT TTTTTTTTT TTTTTTANCT TTNCAANTTT TTNAAAAAAA  (2) INFORMATION FOR SEQ ID NO:1021:  (i) SEQUENCE CHARACTERISTICS:  (A) LENGTH: 489 base pairs  (B) TYPE: nucleic acid  (C) STRANDEDNESS: double  (D) TOPOLOGY: linear  (xi) SEQUENCE DESCRIPTION: SEQ ID NO:1021:  AGAGGTGTCT GTGTTTGAAG TCAACATTCG ATTTATTGGA GGCCTACTTG CAGCATATTA  CCTATCAGGA GAGGAGATAT TCAAGATTAA AGCAGTGCAG TTGGCTGAGA AACTCCTTCC	60
CTTTTTTTT TTTTTTTTT TTTTTTANCT TTNCAANTTT TTNAAAAAAA  (2) INFORMATION FOR SEQ ID NO:1021:  (i) SEQUENCE CHARACTERISTICS:	60

TTATGGCACA TTCGGAAACT TACTTTCAGA AAATGGGTTC GTGCCAANGG GTCTTTTATT

CCAANTANTT TGNACCCCAG NACAGGGCGN TGGGGGTCAN TA	ATTCANACA TNTGTTCGGT 420
GGNCCGGGAG ACAGTTTTTA TGGATACTTA CTGGAAGCCN GG	STTTGATGT CCAGTTAAAA 480
CAGACCCTG	489
(2) INFORMATION FOR SEQ ID NO:1022:	
<ul><li>(i) SEQUENCE CHARACTERISTICS:</li><li>(A) LENGTH: 452 base pairs</li><li>(B) TYPE: nucleic acid</li><li>(C) STRANDEDNESS: double</li><li>(D) TOPOLOGY: linear</li></ul>	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1022	2:
GGGAGCCTCA GTGAAGGTGG CTGTCCGGGT AAGGCCCTTC AA	ATTCTCGAG AGACCAGCAA 60
GGAATCCAAA TGCATCATTC AGATGCAAGG CAACTCGACC AG	STGAGTACA TGTTGTTTTC 120
TCTCAGCTGT GTATCTTACT TTCCTTTCTT CTTTCCCTGT CG	STCTTGCTG TGTTCAGAAT 180
AGATGAACAT CTGTATGTTA ACACTTTGAA CTTTGCTATT CT	GAATGATC CATTGGAATG 240
TATTCCCCTC TGTGGTATTT GCTATAGTAT ATTTGAAATA TG	GGACTATTT ATTTTACCCT 300
GTACAATTGA GAAACCCGGA ATAACTGAAC NATTTAGCAA GT	GTTTATGC TTATTAAGTT 360
GAAATTTAAT GGTTATAAAG GTTTAAACAG TGCTTTTTGC CC	CAGTCCNAA GGGGNATTAT 420
ACCCATGGNG GNGGCAGATT CCATGTTTTN CT	452
(2) INFORMATION FOR SEQ ID NO:1023:	
<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 339 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1023	):
TTCAAAGAAC TACTTGAAAA TGCAGAGAAA TCCCTGANTG AT	PATGTTTGT AAAGACATAT 60
GGCCATTTAT ACATGCAAAA TTCTGAGCTA TTTAAAGATC TC	TTCGTAGA GTTGAAACGT 120
TACTACGTGG TGGGNAAATG TGAAACCTGG AAGNAAATGC TN	IAAATGAAC TTCTGGGATA 180
CGCCTACCTG GAGACGGGAT GTTCCCGCCT GGTGAAACTA CC	CCAGTGACC ACTTTGACAG 240
ATGGAGTTTA CTGGGAATGT GTGAGCCAAA GTNTGACGGT GN	ICAGCTGNA AGCCCTTNCG 300
GAGATGTACC CACGACAAAT TGAAAGCNCC AGGTTTACT	339
(2) INFORMATION FOR SEQ ID NO:1024:	

(i) SEQUENCE CHARACTERISTICS:

(A) LENGTH: 445 base pairs

(B) TYPE: nucleic acid

(C) STRANDEDNESS: double

(D) TOPOLOGY: linear

#### (xi) SEQUENCE DESCRIPTION: SEQ ID NO:1024:

TTCAAAGAAC TACTTGAAAA TGCAGAGAAA TCCCTGANTG ATATGTTTGT NAAGACATAT 60 GGCCATTTAT ACATGCAAAA TTCTGAGCTA TTTAAAGATC TCTTCGTAGA GTTGAAACGT 120 TACTACGTGG TGGGNAAATG TGNAACCTGG NAAGAAATGC TAAATGAACT TCTGGGNTCG 180 CCTCCTGGNG CGGATGTTCC CGCCTGGTGA ACTNCCCAGT ACCACTTTGA CAGATGGAGT 240 ATCTGGNAAT GTGTGAGCAA AGTATACGGN GNCAGCTGGA AGCCCTTCGG GAGATGTGCC 300 CTGCGCAAAT TNGAAGCTTC CAGGTTTACT CGTGGCTTTT GTNAGCAGCC CGTTANTTTC 360 GTTCAAGGTT AGCGGTTNCG GGGAGATGTC GTGGAGCAAA GGTCTNCCGN GGGTAAAACC 420 CCACAGNCCC AGTGTACCCC TGGCC 445

### (2) INFORMATION FOR SEQ ID NO:1025:

#### (i) SEQUENCE CHARACTERISTICS:

- (A) LENGTH: 496 base pairs
- (B) TYPE: nucleic acid
- (C) STRANDEDNESS: double
- (D) TOPOLOGY: linear .

### (xi) SEQUENCE DESCRIPTION: SEQ ID NO:1025:

CACGGCAGGT	CAGGAGCNAT	TCCAAAGCCT	GAGGACACCA	TTTTACAGAG	GTTCTNACTG	60
CTGCCTGCTT	ACTTTTAGTG	TCGATGATTC	ACAAAGCTTC	CAGAACTTAA	GTAACTGGTA	120
GNAAAGAATT	САТАТАТТАТ	GCCAGATGTG	AAAAGAGCCC	TGAAGAAGCT	TTCCTTTTGT	180
GAATTCTGGG	TAACAAGGAT	TGACATTAAG	CGAAACGGCA	GGTGTCTTAC	AGNAAGGAAG	240
CCCAAGCTTG	GTGNCAGGGG	ACAACGGGCG	GACTTATNCC	TTATTTTGAA	AACAAGTGCC	300
AAAAGATTGC	CACAAATGTG	GCAGCCAGCC	TTTGAGGGAA	GCGGTTCGAA	GAGTTNTTGT	360
TACCGAGGNT	AGGTTCAGTT	CNTTTGATTN	CGNACAGACA	CGTCATTTTT	CACCGGAAGG	420
CCCAGCCTAG	TTCANTTGCT	GTTGNTGTTA	GGTTGTTGNT	GCNTTTTAAC	CACTTACACT	480
TTTNCCCAAT	TCACCT					496

### (2) INFORMATION FOR SEQ ID NO:1026:

### (i) SEQUENCE CHARACTERISTICS:

(A) LENGTH: 485 base pairs(B) TYPE: nucleic acid

(C) STRANDEDNESS: double (D) TOPOLOGY: linear	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1026:	
CCTGGNGGAC CATGAAAGCC TTTAAAACCT CGTNATTAAT TGGACACAGT GCCAGAGTGT	60
ATGCACTTTA CTACAAAGAT GGACTTNTCT GTACAGGGTC AGATGACTTG TCTGCCAAAG	120
CTGTGGGAAT GTGAGCACAG GGNAGTGCGT TTATGGCATC CAGACCCACA CTTGTCCAGC	180
GGTGAAGTTT GATGNAACAG TAAGCTTGTG AACAGGCTCC TTTGAACAAC ACTGTGGGCT	240
TGCTGGGNAA TGGAGTTCCC GGAGCCAGGA CCCAGCACTT TTCGGGGGGG CACACGGGGG	300
GCGGTNTTTT AGCGTGGGAC TACAATGATT GAACTGGGAT ATCTTGGTGA GCGGGTTCTN	360
CAGACTTNAN TGTGGAAATT ATGGGNTTTA TTCTGTTNGG GGACATGCCC TGAACACANT	420
NACCGGGGCA CAGGGATTGG GTTCACCCAG GTAGTTTTTT CCAGAAGTTN CAAGTCAGTT	480
TTTNT	485
(2) INFORMATION FOR SEQ ID NO:1027:	
<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 94 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1027:	
САААААААА ААААААААА ААААААААА ААААААААА	60
AAAAAAAA AAAAAAAA AAAANNAANA NAAN	94
(2) INFORMATION FOR SEQ ID NO:1028:	
<ul><li>(i) SEQUENCE CHARACTERISTICS:</li><li>(A) LENGTH: 294 base pairs</li><li>(B) TYPE: nucleic acid</li><li>(C) STRANDEDNESS: double</li><li>(D) TOPOLOGY: linear</li></ul>	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1028:	
CCCATTAAGG AAAGAGAGAA GAGGTGGCCA TTCACTTAAT TCAGNAGGTG GAGCCAATNG	60
GCTAGTAAAA CATACTTTTT TCATTTTCCC TTTCTNTAAT TTCCTGCGTT TCCTGTTCCT	120
CACATTCAGA ATCTGAATTT AGTTCTTTAC ACTCGTCCTC ATCTGCCTCA TCTGNAATCT	180

GCCTCATCAT CTGNTTGAAA TGGCTCAAGA GTTGCTTTTA TTAGTGCCCA TATTGACCAA 240
ACCAAGACTG GGAATTTTNT GGCTCCATCT TGATATGCTT TTTTANAAAA NNCN 294
(2) INFORMATION FOR SEQ ID NO:1029:
<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 260 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1029:
GTCAGGACCA GCTGGATGAC TTGGTGGTGG AGTGTAGAGA TATAGTTGGC AACCNCACTG 60
AGTTAGNATC AGAGGNTATT CAAATAGAAG CCTTGCTGAT GAAGAGCCTG TNATGCCCAT 120
TAATTCAGAA CTTCTGCCAC GGTGTGNAAT GATACCAGAT TAGACTCTGG GGGACCTGNA 180
TGGNAGTGTC TGGNTACAGG NCAAACACCA GAAGGGACAT GTAACGAGAA ATGTTGCCAT 240
CGTTGTTACC CACTTNCAGT 260
(2) INFORMATION FOR SEQ ID NO:1030:
<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 255 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1030:
CAACAAAAAA AGATATCCTC CGGCATATGG CCCANACGGC AAACCAAGAC CCCGCTTCAA 60
TAATGTTCAA CTGAATCTCA CAGATGAGGA GAGAGAAGAA ACGGANGAGG AAGTTTATTT 120
GTTTGAATAG CACAACTCTT TAACCTGAGG GNAGTCATCT ACTTTTTTT CCTCCTTGTA 180
CAAAAAAAGG AAGGTNANTA TAAAANCCGG GTTTTTGTCA ACATGGTTTG CANATAAATG 240
ACTGGTGGAA ATGNG
(2) INFORMATION FOR SEQ ID NO:1031:
<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 50 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>

CTTTTTTTT TTTTTTTTT TTTTTTTTT TTTTTTTT TTTGGANTNC	50
(2) INFORMATION FOR SEQ ID NO:1032:	
(i) SEQUENCE CHARACTERISTICS:  (A) LENGTH: 289 base pairs  (B) TYPE: nucleic acid	
<pre>(C) STRANDEDNESS: double (D) TOPOLOGY: linear</pre>	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1032:	
CGGACCTGCT GAAGGACCAG AGAGGGAGCC CTGCCTACAT CAGTCCCGAC GTGCTCAGCG	60
	120
GCCGGCCGTA CCGTGGCAAG CCCAGTGACA TGTGGGCCCT GGGCGTGGTG CTCTTCACCA	
TGCTGTATGG CCAGTTCCCC TTCTACGACA GCATCCCGCA GGAGACTCTT CCGCAAGATC	180
AAGGCTGCCG AGTATACCAT TCCTGAGGAT GGACGGGTTT CTGAGAACAC CGTGTGTCTT	240
CATNCCGGAA GCTGCTNGGT CCTTGANCCC CCAGCNGTGN CTTGGTCCG	. 289
(2) INFORMATION FOR SEQ ID NO:1033:	
<ul><li>(i) SEQUENCE CHARACTERISTICS:</li><li>(A) LENGTH: 82 base pairs</li><li>(B) TYPE: nucleic acid</li><li>(C) STRANDEDNESS: double</li></ul>	
(D) TOPOLOGY: linear	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1033:	·
CGGAGNCCCA GAGGCCGAGT CGGTCACCCG NACGGATCAC TGGAAAAGTC GCACATCGGA	60
GGGGATNCTC NNTGAAGATT GT	82
(2) INFORMATION FOR SEQ ID NO:1034:	
<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 280 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1034:	
CCTGTGAATT ACCTAGAAGA GAAGGGTATT GAAACCTACC TCATCATTGC CTCCAAGCCA	60
GAGGTGAAGA AAACAGCCAC CCAGAATGGC CTCAATGGCT CGGCCCTGCC CAATGGAGCA	120
CCAGCTTCCT CAAAGTCCAG CTCCCCTGCC CTCATTGAGN ACCAAGGAGC CCAACGGGGA	180
CENTRACE OF COMPACTOR OF COMPACTOR AND COCCOST CONCORDING COCCOST	240

CAACCCCTNA TTTCCCCAAC CCACGTCGGA GTTNCGGCTT	280
(2) INFORMATION FOR SEQ ID NO:1035:	
<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 196 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1035:	•
CGGCCTGGTT TCTGGTGGCC TCTATGNATA CCCTGTAGGG TGCNGACAGT ACTCGATNCC	60
TCCCTGTAAG CACGACGTCA ACGGTTCCCG GCCATGCCAC GGGGGGAGGG CGGATACCCC	120
CAAGTNTAGC AAGCTGTGAA GCCTGGCTAC AGCCCGACCA AACAGGNACA NGTACTACGG	180
ATATTCCTNA CNGTCT	196
(2) INFORMATION FOR SEQ ID NO:1036:	
<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 174 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1036:	
CTAAAAATAN TGGNTAAAAT TACCTTGCAA GCTATGTTGT ATAAGGTGNA TATAAAACAA	60
AGNAATTING NNGTTTAGAC TTGGGTCTAC TCCCAAGANG ACCTCATNAT ATATATACAA	120
AAATCCCCAA ATCCAAAAAC ANTTGNAAAC ACTTCTGGTC CCACACATTT TGGN	174
(2) INFORMATION FOR SEQ ID NO:1037:	
<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 52 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1037:	
CTTTTTTTT TTTTTTTTT TTTTTTTTT TTTTTTTTT	52
(2) INFORMATION FOR SEQ ID NO:1038:	
<ul><li>(i) SEQUENCE CHARACTERISTICS:</li><li>(A) LENGTH: 437 base pairs</li><li>(B) TYPE: nucleic acid</li></ul>	

(C) STRANDEDNESS: double
(D) TOPOLOGY: linear

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1038:	
CATTTTGGGC AATAAACCCT ACAGCAAAAA GGACTACAGA TCCTAAGCCG GCCCGCCCG	60
CNTGCTCGGT ACAGTTTCCG TTCCCTCCTA GTCTCTGTTC GCTCGCTTAA GCTGTTTTAA	120
AGACCAAGTG AAAGAGTGTG GTTTGCATCC AAGAGAAAAC ACCACACTGT GATGTCATCG	180
GGNAAATGAA TCTCCCAAGT CGCTGCCAGA NACCACCCAC TGNTTCGCCG GACAATGTCG	240
AAGTCCAGTT TGTNGCCGGG GGAAGGCNTG GTTTAGGGAA GGATGTTCAA ACGGTCCCAC	300
CCANGCNTGT NNAACTCTGG TTGATTCCTT NCAAGAGCCA CCCAGGTTTT TTCCCAGGNC	360
ACAGGCCAGT TTTNCCAAAG TTCAAGGGNC CAAAGATTTT TCCAAGGTTT CCCCAAGTNC	420
AAGGGCCAGG GNCAAGG	437
(2) INFORMATION FOR SEQ ID NO:1039:	
<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 360 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	·
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1039:	
CGGTAGGTAA GGAAGGGGCC TTAACCTNTG CTGGTGACCA GAAGCCTGCA TTTCTGCATT	60
CTGCTTAATT CCCTTTCCTT AGATTTGAAA GAAGCCAACA CTAAACCACA AATATACAAC	120
AAGGCCATTT TCTCAAACGA GAGTCAGCCT TTAACGAAAT GACCATGGTT GGACACAGAG	180
ATGCCATTCT GGCCCACCAA CTTTGGGATC AGCTCCGTGG ATCTCTCCGT AATGGAAGAC	240
CACTCCCACT CCTTTGNATA TCAAGCCCTT CACTACTGTT GGACTTNCTT CCAGCATTTN	300
CTNATTCCAC ATTACGGAGG ACATTCCATT TCACAAGGAA CAGATTCCAT GGTTTGNCNG	360
	360
(2) INFORMATION FOR SEQ ID NO:1040:	
<ul><li>(i) SEQUENCE CHARACTERISTICS:</li><li>(A) LENGTH: 442 base pairs</li><li>(B) TYPE: nucleic acid</li></ul>	

(C) STRANDEDNESS: double
(D) TOPOLOGY: linear

CGGCCATGGC	TTTCTGGGCG	GGGGGTTCGC	CCAGCGTCGT	GGACTATTTC	CCTAGCGAGG	60
ACTTCTACCG	CTGCGGCTAC	TGCAAGAACG	AGTCGGGCAG	CCGCTCCAAT	GGCATGTGGG	120
CACATTCCAT	GACAGTACAG	GATTATCAGG	ATCTCATAGA	CCGAGGATGG	CGAAGAAGTG	180
GAAAATATGT	GTACAAACCT	GTCATGAATC	AAACATGTTG	TCCTCAGTAC	ACAATAAGGT	240
GCCGACCTTT	ACAATTTCAG	CCTNCAAAAT	CTCACAAGAA	GGTTTTGGAA	ANAAATGTTG	300
AAATTTCTGG	CTAAAGGGGA	GGTTCCCAAA	GGAAGTTNTN	AAGGGTGAGC	CCATGGGTTT	360
CCACAATGGG	TTGATGTTGT	NGCCGGGTGG	ACTTTGGCAT	TGATTAAATA	AACTNGGTTT	420
TACCGTGNGG	NTCNTTAAAC	CA				442
(2) INFORM	ATION FOR S	EQ ID NO:104	11:			
	EQUENCE CHAI (A) LENGTH: (B) TYPE: no (C) STRANDE: (D) TOPOLOG	303 base pa ucleic acid DNESS: doubl	airs			
:		. IIIICUI				•
(vi)	SEQUENCE DE	CCRIDTION O	SEC ID NO.1	041.	. *	
	TCAGGTAAAC				ጥርእነርኔ ርጥር አር	60
	CCGTGTGTAG				•	120
	TGAAGTGGAG					180
	TCCGCCACGA	•				240
	GCCCTCCTGG					300
CTT	decereered	01010001210	nechioinen	·	GNCTTCCGGC	303
	ATION FOR SI	FO TO NO.104				303
(i) S	EQUENCE CHAI (A) LENGTH: (B) TYPE: nu (C) STRANDEI (D) TOPOLOGY	RACTERISTICS 301 base pa acleic acid DNESS: doubl	S: nirs			
	SEQUENCE DES					
	CGCGGGCTGC					60
	GCCGGGAGCA					120
	CCCCAGGTTC					180
ATGCAATGTC	TCNTAATCCC	CTCTGTGGAT	GGTGGTGGCC	GGGGAGTGGC	GATGGTGACT	240

GCCNTGGCTN NCCGTTTGGT TGCCACCGGG GCTGTNGAGG AGACCCTGGN CCCATTCGGT	300
T	301
(2) INFORMATION FOR SEQ ID NO:1043:	
<ul><li>(i) SEQUENCE CHARACTERISTICS:</li><li>(A) LENGTH: 107 base pairs</li><li>(B) TYPE: nucleic acid</li><li>(C) STRANDEDNESS: double</li><li>(D) TOPOLOGY: linear</li></ul>	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1043:	
ANAAGGTCCC CCCCTNGGGC CGTTTTGGGC CATGCTTTTT TCCCATTGAC TTAAAANCAA	60
TCGGGAGGGG GNGGGGCCTG CCCCCTTTNA CCCTTTTCCC CCTTNCA	107
(2) INFORMATION FOR SEQ ID NO:1044:	
<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 365 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1044:	
CAACTTTATT CATGGCAAAG AGAAAGAAAA GTAAAGACAG AATTTTCCCT TCATGATGGA	60
CCTCCTTATG CAAACGGTGA CCCTCATGTT GGACATGCTT TAAATAAGAT TTTGAAAAGA	120
CNNAGCCAAT CGATTCCATA TGAATGAATG GCTCCAAAAT ACATTTNGTG CCCCGGCTGG	180
GAATTGTNAA TGGGTTGCCC ATTGAAATAA AAGTATTATC CAGANCTTGG TAGAGAAGCT	240
NCAGAATCTT TGCAGCTATG GGAATTAGAA GGAAAGCTAG NTCCTTTGCT NAAGGCAGCC	300
CTTGNGGAAC CNGGATCCAG CATTTTTCG TTGGGGGGAT TAATGGGCNG TTTGGAATAA	360
TGGCT	365
(2) INFORMATION FOR SEQ ID NO:1045:	
<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 251 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1045:

•	120
ACAGCCAAAG TNTTCAAGGT TTACGNGNGG GAAAGGCCGC ATTGCTGTGG GATCCGATGC	180
CGACCTGGTC ATCTGGGAAC CGNGACAGCN TTAAAACCAT CTNTGGCNGG GACACANAAC	240
AGCTCTTTTC G	251
(2) INFORMATION FOR SEQ ID NO:1046:	
(i) SEQUENCE CHARACTERISTICS:	
(A) LENGTH: 56 base pairs (B) TYPE: nucleic acid	
(C) STRANDEDNESS: double (D) TOPOLOGY: linear	
(a) A GEOVENICE DESCRIPTION OF THE VICTOR OF THE ADMINISTRATION OF	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1046:	
CTTTTTTTT TTTTTTTTTTTT AAAAAANNNN TTNTTTTCCC CAAAAA	56
(2) INFORMATION FOR SEQ ID NO:1047:	
(i) SEQUENCE CHARACTERISTICS:	
(A) LENGTH: 387 base pairs (B) TYPE: nucleic acid	
(C) STRANDEDNESS: double (D) TOPOLOGY: linear	
(b) Toroboot. Timedi	•
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1047:	
CGGGTCTCCC CGACCGAGGC TCGANTCCAG GTCGAAGGGT NGCCGGAGNN ATGGTTGGAG	60
CGGGTCTCCC CGACCGAGGC TCGANTCCAG GTCGAAGGGT NGCCGGAGNN ATGGTTGGAG  AATGTGGAAG GAGCTGGAGG ACACCCGANT ATTCTTAAAG CAATCCCCAT GGCCAGATGT	60
AATGTGGAAG GAGCTGGAGG ACACCCGANT ATTCTTAAAG CAATCCCCAT GGCCAGATGT	120
AATGTGGAAG GAGCTGGAGG ACACCCGANT ATTCTTAAAG CAATCCCCAT GGCCAGATGT CATCAGCAGC TGAACAGCAT CTCCAGAAAC CAGCTGCAAA GACAGAAGCA GAACAACTGG	120 180
AATGTGGAAG GAGCTGGAGG ACACCCGANT ATTCTTAAAG CAATCCCCAT GGCCAGATGT CATCAGCAGC TGAACAGCAT CTCCAGAAAC CAGCTGCAAA GACAGAAGCA GAACAACTGG TTTGGTGGAG AGATCTGATA ACAAAAAGTT GGGAAACAGG TAAAATAATA ACTTGGGGTA	120 180 240
AATGTGGAAG GAGCTGGAGG ACACCCGANT ATTCTTAAAG CAATCCCCAT GGCCAGATGT CATCAGCAGC TGAACAGCAT CTCCAGAAAC CAGCTGCAAA GACAGAAGCA GAACAACTGG TTTGGTGGAG AGATCTGATA ACAAAAAGTT GGGAAACAGG TAAAATAATA ACTTGGGGTA GAAGTTATGC TTGTTTTCT CCAGGCCAAA ATGAACAGCT GATCTGGATA CCATCAAGAC	120 180 240 300
AATGTGGAAG GAGCTGGAGG ACACCCGANT ATTCTTAAAG CAATCCCCAT GGCCAGATGT CATCAGCAGC TGAACAGCAT CTCCAGAAAC CAGCTGCAAA GACAGAAGCA GAACAACTGG TTTGGTGGAG AGATCTGATA ACAAAAAGTT GGGAAACAGG TAAAATAATA ACTTGGGGTA GAAGTTATGC TTGTTTTCT CCAGGCCAAA ATGAACAGCT GATCTGGATA CCATCAAGAC ACCTGAAATT TTATCATGAG CCAATGCTGA GGGAAGAGAN TCCGGGNGTT TCCNCAGGAC	120 180 240 300 360
AATGTGGAAG GAGCTGGAGG ACACCCGANT ATTCTTAAAG CAATCCCCAT GGCCAGATGT CATCAGCAGC TGAACAGCAT CTCCAGAAAC CAGCTGCAAA GACAGAAGCA GAACAACTGG TTTGGTGGAG AGATCTGATA ACAAAAAGTT GGGAAACAGG TAAAATAATA ACTTGGGGTA GAAGTTATGC TTGTTTTCT CCAGGCCAAA ATGAACAGCT GATCTGGATA CCATCAAGAC ACCTGAAATT TTATCATGAG CCAATGCTGA GGGAAGAGAN TCCGGGNGTT TCCNCAGGAC GCCCCATTTN CAGCCCTGTT TGAGANT	120 180 240 300 360

CCCCAAAGTC CTGGGATTAT AGGTGTAAAC CTCCATGCCC	GGCCGGTTTT	AACATTTTNA	60
AATGGTTAAA AAAATAGTAT TTTNTGAATA CATGANCATT	ATATGTAATT	NCCNTTTCAN	120
CATCTATAAA TAAAGTGTTT TTTTGGAACA CAGCCATGCT	AATTCATTTN	CATATTGTNT	180
GTGGCCACTT TTCCTATTAA AATGGTGATT TCGAGTAGTT	ATGACAGGGA	CTGCATGGCC	240
CACAATGCCT AAAATATATA CTATTTGGCC CTTTACAGAA	AAAGTTTAGG	CTGGGTGCAT	300
GGGCTTACGC NGTAATCTCN GCNNTTGGGA GGTCGAGGCG	GGTGGGTCCT	CTGNGGTCCG	360
GGGTTCGGGG			370
(2) INFORMATION FOR SEQ ID NO:1049:			
<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 394 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>			
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1	049:		
CCACACTGTG AGNTGCCCAA TTACCTGCCC TCGGTGNGCT	CNNCCATCGN	GAGGNAGGTG	60
CNCCAGCGCT ACGTGTGGCG TTTCTGCATC GGCCTGCACT	CGGCGCCTCG	NTTCTTGGTG	120
GCCTTCGCCT ACTGGAACCA CTACCTCAGC TGCACCTCCC	CGTGTTCCTG	CTATCGCCCG	180
CTCTGCCGCC TCAACTTCGG CCTCAATGTC GTGGAGAACC	TCGCGTTGCT	AGTGCTCACT	240
TATGTTTCCT CCTCCGAGGA CTTTCACCAT CCACGGNAAA	GGCTTTCATT	NGTGTTCATT	300
GNCTTCATCC CTTNGGGGCA CATGGTNCCT TCACCTGGCA	TTCTCTGGGC	GGTTGAACCA	360
AGAAGCACAC AGTTAAGTTC AGGNGGGNTC GCAA			394
(2) INFORMATION FOR SEQ ID NO:1050:			
<ul><li>(i) SEQUENCE CHARACTERISTICS:</li><li>(A) LENGTH: 513 base pairs</li><li>(B) TYPE: nucleic acid</li><li>(C) STRANDEDNESS: double</li><li>(D) TOPOLOGY: linear</li></ul>			
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:10	050:		
CCTGTAGGAG TGCAATTGGA ACCTAAGCGC TTGGTCAANA	4	GCTTCGGGAA	60
CTCCCTGTCC CAAACTACAG GACCCTGGAG TTCCTCATGA			120
TCATTCAGTG CCCAGACCAA CATGCATGCN CGNAACCTGG			180
		,	

CTGCTGAGGT CTAAGGACAT AGAGGCCTCA GGCTTCAATG GGACAGCGGC CTTCATGGAG

GTGCGGGTAC AATCCATCGT CGTGGATTCA TCCTCACACA CGTGGACCAG CTCTTTGGGG	300
GTGCTGCCCT CTCTGGTGGT GAGGTGGAGA GTGGGTGGCG NTCGTTTCCA GGACCCGGGG	360
CNTCAGGCAG CCCCGAGGAC NTATGCCCAG GCCATGNNTT GTTCACNGNN NGAGCTGATG	420
CAGTTGGCGT TGGACCCCCA CAATGGGGNC TACCTNATTT TCNTCGGGTT TGCCAGAGCA	480
CAAGAGGAAG GGGTTTTTTA AANGTTCAGN AAT	513
(2) INFORMATION FOR SEQ ID NO:1051:	
<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 420 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1051:	
CTTAAGCGCT AACGTCTTTN TNTNTCCCCG CGGTGGTGAT GACGGTAAAA ACTAAGGCTG	60
CTAAGGGCAC CCTNACTTAC TCCAGGATGA GGGGCATGGT GGCAATTCTA ATCGCTTTNA	120
TGAAAGCAGA GGAGGATGGG TCTGAAACGA ACTTTATTCA GAAGATTGCC AATNAACTCC	180
TAATGNCATG CAAACACCCT GAAAGTTCCA GTCCATCTTG AAAGATCTCC CAACCTCCAG	240
GNAGCCTGAA GCTTATGAAA TGCCAACCCT TCTTCCTCCA CCAAGTCCTT TCTTNAGGCA	300
AATCAACCTT GGGCCCGTGC GTCCCAATCC TGCATGGGTT AAACCCTNCT GAAGCTTTTA	360
AATTTTTTG GAAAGTGNAT TCGGGAAAGG GGNCNTTTTT TTGGGNAAGG GTTTTTTCTT	420
	420
(2) INFORMATION FOR SEQ ID NO:1052:	
<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 495 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1052:	
CCCGAGAAAC ACTTATCAGT GTGCCATGGG GAAACAAGCC ATGGGTACTA TAGGATACAA	60
CCAGCGAAAC AGAATTGATA CTCTCATGTA TCTACTAGCA TATCCACAAA AACCCATGGT	120
TAAGAACAAA AACCATTGAN TTGATAGATT TTGNGAAACT GCCAGCTGGA CAGAATGCAA	180
CANTTGCTGT GNATGAGCTA TAGTGGCTAT GNTATTGAAG ATGCTCTTGT TTTAAACAAG	240
CANTIGOTO I GINTIGAGOTA INGIGOTATI GINTATIGANG AIGCICITGI TITAAACAAG	240

GCCTCTTTAG ACAGAGGCTT TGGGCGTTGC CTTGTATATN AAAANTGCTA AATGTACGTT

GAAACGATAC ACCANTCAGA CTTTTGATNA AGTGCTGGGG CCCTGTTGGA TGCTGCTACA	360
GGAAACNTAT TNGGGGACNG GAATNNTAGN TGCAGATGGT ATTTGTTCNA CCAGGTGAGN	420
AGTTGGAAAA CANACAAGTG GTTGTTAATN AAGTNCCNGC CCACAGTGAC TCCGATTCCT	480
TGGAAGGNAG TTATG	495
(2) INFORMATION FOR SEQ ID NO:1053:	
<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 308 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1053:	
CGANTCAAAA AGGCTGACCT CCCTTTACTC ACCAGCACTT NCCTTGGCAG CCACATGTNC	60
TCCTGCTGCC CCGAAGGACG ACAACTGGAC ATAAAGAAGT CAAGCTACAA AAAGCTCTCT	120
AAGTNCCTGC AGCAAATGCA GCAGGAGCAG ATTATACAGG TGAAGGAGCT GAGCAAAGGG	180
GTGGNGAGCA TTNTGGCTGT GGACTGGAAA CACCCGAGGA TTACATCTTT NGTCATACCC	240
GAGCCCTCCC CGACCTCCCA GACTATCCAG GNAGGGTNGC AGGGGACAGC CCTNATTNAC	300
CCTTCCAG	308
(2) INFORMATION FOR SEQ ID NO:1054:	
<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 305 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	ı
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1054:	
CCCCCGGCCT CATNAGTACC TNTCCCCAGC GGATCTGCCC AAAAGCTGGN ACTGGCGCAA	60
TGTGGATGGT GTCAACTATG CCAGCNTCAC CCGGAACCAG CACATCCCCC ANTACTGCGG	120
CTCCTNCTGG GCCCACGCCA GNACCAGCGC TATGGCGGNT CGNNTCAACA TCAAGAGGAA	180
GGGAGCNTGG CCCTCCACCC TCCTTTCCGT GCAGAACGTN ATCGACTGCG GTAACGCTGG	240
CTCCTNTGAA AGGGGGTAAT NACCTGTCCG TTTGGGACTA CGCCCACCAG NACGGAATCC	300
TTNAA	305
(2) INFORMATION FOR SEC ID NO:1055:	

(i) SEQUENCE CHARACTERISTICS:

(A) LENGTH: 148 base pairs(B) TYPE: nucleic acid

(C) STRANDEDNESS: double (D) TOPOLOGY: linear	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1055:	
ATGGTCCAGT AANTNNTGAG CTGTTCTGGN TGTTAACNAG ATGGAGCCGT TTTTGTCCTG	60
CATTTGGAAT TGTATGAGTG TGGGACAGGG AAGGTCTGTT GNTTTNANNA CAAGTTTTAG	120
TTAGGAGTTT TTGGGTCGTT ANGTAGGT	148
(2) INFORMATION FOR SEQ ID NO:1056:	
<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 499 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	• .
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1056:	
CAGGACTGCT GGGACCCCCT GCACCTCCTG GCCACGGAGA GATCCTGCTC CCAGGGACCA	60
GCGTCTGGNT GGGACACAGT TCACTCCTCT_NTCCACTTCA TGTTCTTTTT CTTCAGCAGA	120
TGGCTCAAGT TCCTTGTTTT TNTCCTTGCT TTCTGACAGC NGTAGCTTCT GAAACCTGCC	180
ATTTTTGGTC TCCTGATGCC TGATTTCCTA ATTGTCCTGA CTGTGTCTTC TAGGAAGCAT	240
TAAGTCTGAA CTGACTTATT AGGGAACTTT AGAAAGTTAA ACACACAAAA CCCTTTCTTT	300
GACTCCTATC TTNAAGGACA TGGAGATACA GTTNACATAT ATTTATACAC AAGGNTATTT	360
CATATGGCAA AAACGGGGAG AAGGCACAAT TTTAAGAGCC CAATGGGGAC TGGGGTTGTG	420
TATGCATCTN TACAATGACA TGTTATGAAG TCATTCTGTT TTTAATAAAA CTTTTTAGTG	480
GNCATGGGGN AAATACAAA	499
(2) INFORMATION FOR SEQ ID NO:1057:	
<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 470 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1057:	
TACTTATCCC CCCACTATGG ATTCTGGGTN ANAAGGCTGA GGAAGGGAAA TAAGTACCGA	60
	120

TNCGTGGATT ATAAGGCCCA TNANATTNNT TTNTACAATN TNACTAANTG TGGCTCCCAC	180
ATCTNCACTT TCCCCCGCNA TCCCTTCCCT GGGCGCCTCC TGCCCTATTT AAGTCCTTGC	240
TACAGCATTG GAACCAACAA CACTGCTCCT NTGGCCATCT GCTCCCTGGA TGGGGAGGAC	300
TTAAGAAAGC TNACCACCCT AACCACAGAG GCTTTGGAAT TGGGNCTGGC CCCCATGGGG	360
CTTGGAGGAC CGANCCACTT GAAAGGTATC CCCTGAAAAC TTAAGNTTGA GCCCAGTATT	420
CCAAGGATTC CTCTGTTNTN ATCCTTTGGT CTTTGCTACC AGGGNTGAAG	470
(2) INFORMATION FOR SEQ ID NO:1058:	
<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 498 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1058:	
CGGTCTACTT ATCCCCCCAC TATGGATTCT GGGTNANAAG GCTGAGGAAG GGAAATAAGT	60
ACCGAGCAGG CACCGATNAG TACCCAATCC TNTCCTTGCN GGTCCCTCCT CGCNGGGTGG	120
AAATNTTCGT GGATTATAAG GCCCATAAAA TTTTTTTNTA CAATNTAACT NANTGTGGCT	180
CCCACATCTT CACTTTCCCC CGCNATCCCT TCCCTGGGCG CCTCCTGCCC TATTTAAGTC	240
CTTGCNACAG CATTGGAACC AACAACACTG CTCCTTTGGC CATCTGCTCC CTGGATGGGG	300
AGGACTAAAG AAAGCTTACC ACCCTAACCA CAGAGGCTTG GGAATTGGGC CTGGCCCCCA	360
TGGGGGTTTG GNGGACCGAG CCACTGGACA GGTATCCCCT GAAACTAAGC TGAGCCCANT	420
ATCCAAGGAT TCCTCTGTTT TGATCCTTTG GGTCTTTTGT TACCAGGGTT GAAANTTTTA	480
AATGGAAACC ATTTTNTT	498
(2) INFORMATION FOR SEQ ID NO:1059:	
<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 342 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1059:	
TCANCCCCC AAANTGGATT CTGGGCAGTN TNTTTTTGGT ATGGGAAAAA AATATTGGGC	60
TCTNACCTCC CCAATAACTG CCGTACCCCT GCGGACCCCG CTCCANGATG AGGGATTTTT	120

TTGGACTATA ATGCTGGTAA GGTCTCCTTC TACAACGTGA ACAAGAAGGT GTCACACCTT

GCACTTTCTC TGNATGGTAA CCTTTTTGNG GCCTNTCCCG GCCCTNACTT GNAGTNTGAN	240
NTAACTTCGG GAAGGGGAAA AGTGCCAGTT CCTCTGAATC CATCTGCCCC CATGANTGGG	300
NATAGATGGG TTTTTTGGGN CCATGTTTGG GGNATTCATG GN	342
(2) INFORMATION FOR SEQ ID NO:1060:	•
<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 183 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	·. ·
(2) 10102001 2211022	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1060:	
AGGGTGCCCA GTTTACCCAG GNTGAGGTCG CTGCTTCTGN CAATCCTGAN TGCNCCACCT	60
GGTTGAGGNG CTGGGAGGTA CCCCTTTCCA AAGCCGTGTG GTCCAGGNAG GNGCCCGNCC	120
ACCTCATGAG CNTGTTTGGT GGGAAGCCCT GATCCTNTAC AGGGCGGCAC CTCCCGGAGG	180
GAG	183
	103
(2) INFORMATION FOR SEQ ID NO:1061:	
<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 135 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1061:	
CGCTTCCTTC NTGNGGTGGT GGAGCCAGTT TTTGGCCAAC TCAGCCGACC GCAAGAGGNN	60
GCTTCTGGGG GCTGNGAGTC ACTTCCGCAG GTGGAGGACC TTTCCTGACC TTCGCCCANT	120
GGTTCTGCNT TCAAC	135
(2) INFORMATION FOR SEQ ID NO:1062:	
<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 379 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1062:	
CCTATNAAAT GCGACGCTGG AACGAGGCCT TGGTCACCAA CATGTTGCCT GAGCACGTGG	60
CACGCCATTT CCTGGGGTCC AAGAAGAGAG ATGAGGAGCT GTATAGCCAG ACGTATGATG	120

AGATTGGAGT CATGTTTGCT TCCCTGCCCA ACTTTCCTGA CTTC	TACACA GAGGAGAGCA 180
TCAACAATGG TGGTGTTGAG TGTNTGCTTT TCCTCAATGA AATC.	ATCTCG GNATTTTGAA 240
CTCTNTCCTG GGACAATCCC AAGTTCCCGG GTGGATCACC AAGA	TCAAAA CCATTGGCAG 300
CACGTTATTT GGCGGCTTCA GGAAGTCACC CCCGATGTNC AACA	CCATGG GNTTTGNCAA 360
TTCNCAACAA GNAAGACAA	379
(2) INFORMATION FOR SEQ ID NO:1063:	
<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 392 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
•	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1063:	
CCTATNANAT GCGACGCTGG NAACGAGGCC TTGGTCACCA ACAT	GTTGCC TGAGCACGTG 60
GCACGCCATT TCCTGGGGTC CAAGAAGAGA GATGAGGAGC TGTA	TAGCCA GACGTATGAT 120
GAGATTGGAG TCATGTTTGC CTCCCTGCCC AACTTTGCCT GACT	TCTACA CAGAGGAGAG 180
CATCAACAAT GGTGGTGTTG AGTGTCTGCN TTTCCTCAAT GAAA	TCATCT CGGNATTTTG 240
AACTCTCTCC TGGGACAATC CCAAGTNCCG GGTGGTTCAC CAAG	ATCAAA ACCATTGGCA 300
GCACGTATTA TGGCGGGTTC AGGAGTTCAC CCCCGATGTN CAAC	ACCAAT GGGTTTTGNC 360
AGCTCCCAAC AAGGNAGGNC AAGTTCCNAG AG	392
(2) INFORMATION FOR SEQ ID NO:1064:	
<ul><li>(i) SEQUENCE CHARACTERISTICS:</li><li>(A) LENGTH: 171 base pairs</li><li>(B) TYPE: nucleic acid</li><li>(C) STRANDEDNESS: double</li><li>(D) TOPOLOGY: linear</li></ul>	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1064:	
•	
CTTNTNCTCT TCCCTGGAGA CCTGAGAAAC CAATCTGAAC CGAC	AGNNAG CTGGCAGAGG 60
NAATACCTGT ACCGCTATGG TTACACTCGG GTGGGCAGAA ATGCC	
CTCTGGGGCC TGCGNTNGCT GCTTCTCCAG AAGCAACTNT NCCC	TGANCC G 171
(2) INFORMATION FOR SEQ ID NO:1065:	
<ul><li>(i) SEQUENCE CHARACTERISTICS:</li><li>(A) LENGTH: 202 base pairs</li><li>(B) TYPE: nucleic acid</li></ul>	

(C) STRANDEDNESS: double
(D) TOPOLOGY: linear

			•
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:10	65:		
TAAACGGAGG AGCTGTTCCA AAGGCTGCCC NGAGGATGCC	GCAANTCCCC	CNTAGGCNTC	60
TGTTTTACCC CNTACCCGGA GCCTTCAAAG TGCTCCTGGA	AGAACCCCGA	GGCAGAAGCN	120
GCCCTTAANC TGGCGTTAAG ATCACGGAGN NGTGCCTTCC	TGGGGCCGAT	TAAANCTTAC	180
CGGTTCGGGC TGATGTTTCC GG	•		202
(2) INFORMATION FOR SEQ ID NO:1066:	•		
<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 110 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>			• .
		•	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:10	066:	1.	
САААААААА ААААААААА ААААААААА ААААААААА	АААААААА	AAAAAAAAA	60
AAAAAAAAA AAAAAAAAA AAAAAAAAA ANAAANAAA	AAAAAAAAA		110
(2) INFORMATION FOR SEQ ID NO:1067:			
<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 513 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>			
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:10	067:		
CCCCAGAACC TGGATTTTNT NAACCTTATG GCCTACGACT	TCCATGGCTC	TTGGGAGAAG	60
GTCACGGGAC ATAACAGCCC CCTCTACAAG AGGCAAGAAG	AGAGTGGTGC	AGCAGCCAGC	120
CTCAACGTGG ATGCTGCTGT GCAACATGGG CTGCAGAAGG	GGACCCCTGC	CAGCAAGCTG	180
ATCCTTGGCA TGCCTACCTA CGGACGCTCC TTCACACTGG	CCTCCTCATC	AGACACCAGA	240
GTGGGGGCCC CAGCCACAGG GTCTGGCANT CCAGGCCCCT	TCACCAAGGA	AGGAGGGATG	300
CTGGCTTACT ATGAAATCTG CTCCTGGAAG GGGGCCACCA	AACAGAGATT	CCAGGATCAG	360
AAGGTGCCTT ACNTTTTCCG GGGACAACCA TGGGTGGGGT	TTGATGNTGT	GGAGAGTTTC	420
AAAACCAGGT TCAGTATTTG AAGCAGAAGG GATTGGNGGG	GCCNGGTNTT	GGGCATGGGA	480
TTAGATGATT TGCCGGTTTT CTGCAACCAG GCC			513

#### (2) INFORMATION FOR SEQ ID NO:1068:

- (i) SEQUENCE CHARACTERISTICS:
  - (A) LENGTH: 198 base pairs
  - (B) TYPE: nucleic acid
  - (C) STRANDEDNESS: double
  - (D) TOPOLOGY: linear

#### (xi) SEQUENCE DESCRIPTION: SEQ ID NO:1068:

TCACGGATCA	TATGCTGACG	GTGGAGTGGT	CCACAGAGTT	TNGATGGGNG	AAACCTCATA	60
TCAAGCCTCT	TNAGAACCTG	TTATTGCACC	CNNGACTTCA	TCAGCTTTGC	ACTANGCANT	120
GGNATTATTT	GAAGGATTGA	AGGCATTTCG	AGGAGTTAGA	GAATAAATTC	GACTGNTTCA	180
GCCAANCCTC	AACATGGA					198

### (2) INFORMATION FOR SEQ ID NO:1069:

- (i) SEQUENCE CHARACTERISTICS:
  - (A) LENGTH: 465 base pairs
  - (B) TYPE: nucleic acid
  - (C) STRANDEDNESS: double
  - (D) TOPOLOGY: linear

## (xi) SEQUENCE DESCRIPTION: SEQ ID NO:1069:

CCCGGAGGTG	TACCCGACCC	CCCAGGCTTG	GAGGCAGCCA	AAGAGGTGAT	GGTGAAGGCC	60
ACTGGNCCTC	TAGAGGACAC	CCCAGCAATG	GAACCCAACC	CTTCAGCAGT	GGAGGTAGAC	120
CCCATCAGAA	AGCCTGAGGT	CCCCACAGGA	GACGTAGAAG	AGGAGAGACC	TCCCAGGGAC	180
GTGCACTCAG	AAAGGGCTGC	TGGAGAGCCA	GAGGTGGCAG	CGGACTTATN	TGNAAGTTCT	240
CCAAGGAGAA	GTACATCCTG	GACTTCATCG	CCAGAGAAAC	TCCACAAGGA	ATTGGGAGGA	300
GGAGCTTCAA	ACTCAGCAGC	ACGGATTTTC	CGCAGCCATG	CCTGGTTACC	ATGGTCCGNA	360
TTCCCCCGAG	AGGTCTTCGG	AGACCTTNGT	TACAAACGGC	AAACGGNGAC	TTTCCTCATN	420
CCGGGANTCA	ATTCAACCAG	TCTTGGGGGA	TTATGTGGNT	CAAGT		465

## (2) INFORMATION FOR SEQ ID NO:1070:

- (i) SEQUENCE CHARACTERISTICS:
  - (A) LENGTH: 69 base pairs
  - (B) TYPE: nucleic acid
  - (C) STRANDEDNESS: double
  - (D) TOPOLOGY: linear
- (xi) SEQUENCE DESCRIPTION: SEQ ID NO:1070:

GGNCTCCGTA GCCGCACAAA CCAGGGCTCN NCATGGAAGC CAGGATTCAN TCCCCGTGGG	60
GGTGGCTTT	69
(2) INFORMATION FOR SEQ ID NO:1071:	
<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 367 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1071:	
GGCAGAGTNT AGGGCCTGTN CACAATGAGC TTGCATTCCA GCCTCCCATT TCCAATCATC	60
CTGCTCCTGA GTATTGGTGT TCCATTGCTT ACTTTGAAAT GGATGTNCAG GTAGGAGAGA	120
CATTTAAGGT TCCTTCAAGC TGCCCTATTG TTACTGTTGA TGGATACGTG GACCCTTCTG	180
GAGGAGATCG CTTTTGTTTG GGTCAACTCT CCAATGTCCA CAGGACAGAA AGCCATTGAG	240
AGAGCAAGGT ATTGATTGTA TAGTCAGATA GTTACTTTTA AAAAATTGGN GCATAGTACA	300
TTGTCTTTTA ATTCAAGGTT NAAGTTTTTC CCCTGTTACA TNATATGTNG TTCCTTAAAT	360
TNTAATT	367
(2) INFORMATION FOR SEQ ID NO:1072:	
<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 317 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1072:	
GGCACGAGCA GCAGTGGAGA AATTTGTTTA TTCCTGTNCA GGCTACTGTN TGGNANCCTT	60
TGTCCTTGGA ATAGGCGACA ANCACAATGA CAATATTATA ATCACCGNGA CAGGAAACCT	120
ATTTAATATT GACTTCGGGC ACATTCTTGG GAAATTACAA AAGTTTCCTG GGCATTAATA	180
AAGNGAGAGT GCCCTTTGTG CTANCCCNTG ACTTCCTCTT TGTGAATGGG NAACTTCTGG	240
GAAAGAAGGC AAGCCGACAC TTTCCTGAAA TTTCAGGACA TNTGTGTTGA GGCTNATCTA	300
GNCCTTCGTC CTCNCAC	317
(2) INFORMATION FOR SEQ ID NO:1073:	
(i) SPOURNCE CHARACTERISTICS:	

(A) LENGTH: 320 base pairs
(B) TYPE: nucleic acid

(C) STRANDEDNESS: double

AAGTTGAAAA AGCTGNTG

(D) TOPOLOGY: linear			
		•	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:10	073:		
TCCTTCCTCG CGGCACCNNC CTCCCCGCG GCCTTCCTCC	GCCGCCGGGN	NCTCCGGCAG	60
CTTTATCGCC AAATTCCCTG AAACTNTCGC TTTCTTTTAA	ATCCCCTGCA	TCGGAATCAC	120
CGGCNTGCCC CACCATGTNA AAACGCAGCC GTANACACCA	GCTCCNAAAT	CACCACCAAG	180
GAACTTAAAG GAGAAGAAAG GAAGTTTTGG AAGAGGCAGA	AAATGGAAGA	GACGCCCCTG	240
CNTAACGGGA AATGCTAATN AGGGAAAATG GGGGGAGCCA	GAGGCTGACA	ATGANGGTTA	300
GNACGGAGGA AGAGGGAAGN			320
(2) INFORMATION FOR SEQ ID NO:1074:		٠.	
(i) SEQUENCE CHARACTERISTICS:			
(A) LENGTH: 296 base pairs	4		
(B) TYPE: nucleic acid (C) STRANDEDNESS: double			
(D) TOPOLOGY: linear		· .	
		· · · ·	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:10	074:		
GGCACGAGGA CCAGGTGACG GCGGGCGCCA TGCAGCGACT	GGGGGCNGGG	GGCCTNACGN	60
TGGACAGNAT CCTGCAGACA GATGATGCCA CGNTGGGAAA	GCTCATNTAC	CCCGTGGGTT	120
TCTGGAGGAG CAAGGTGAAA TACATCAAGC AGACCAGNGC	CATCCTGAAN	NAACACTACG	180
GTGGGGACAT CCCAGCCTTT TTGGCCGANT TGGTGGCGCT	TCCGGGTTTT	TGGGCCCAAA	240
TTGGCACACC TGGGTTTATG GNTTTGGNCC TGGGGGANAA	TTTTTTTCGG	GNTTTT	296
(2) INFORMATION FOR SEQ ID NO:1075:			
<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 198 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	٠		
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1	075.		
•			
CAGATGATGC AGAGGNAGCN ANCTGAGCNC NTCCAGGAAG	AAAGTTAAGG	GAGAAAGGCG	60
GGCCCGGGAA ACAGGCTGAG GCTGAGGTGG CCTCCTTGAA	ACCGTAGGAT	TCCACCTGGT	120
TO A CARCA CHOCA COOME CHOACCACCE CTTTCCCCAM	ጥርእነርርጥርእነ እ	A A COUNCE A NIC	1 9 0

### (2) INFORMATION FOR SEQ ID NO:1076:

(i) SEQUENCE CHARACTERISTICS:

(A) LENGTH: 465 base pairs

(B) TYPE: nucleic acid

(C) STRANDEDNESS: double

(D) TOPOLOGY: linear

## (xi) SEQUENCE DESCRIPTION: SEQ ID NO:1076:

GGCACGAGCG	TCGCGNCGCC	TTCTGAGTGG	TCGGGTCGAG	GCTTCTCGGN	CTAGCAGTGC	60
CCTCGCTGCG	CGATCTCAGG	CGGGTTCTCC	TCGGCTCCGC	GCAGCCGNGN	CGCGNTGGGG	120
GACCCGGCGC	ANGGTCACCT	GCTGCCGAGG	GACCCCGNGG	cccgccccg	TGCTCGTGAT	180
GGNGCTGATC	TNCGCCAAAC	TGTGGAGCCT	CNNCTGTAAC	CAAGAACACA	AAGTAATTAT	240
AGTGGGACTG	GATAATGCAG	GGAAAACCAC	САТТСТТТАС	CAATTCTTAA	TGGAATGAAG	300
TGGTTCATAC	TTNTTCCAAC	CATTAGGAAG	CAATGTTGAA	GAAATTAGTT	TGTGAAGAAC	360
ACTTCATTTT	TCTTTATGTG	GGGATTATTG	GGTTGGTTCA	GGAGTTCTCT	GCGGATCATT	420
NNTGGGGAAN	CACATTATTT	ACNTCAAATT	ACAAGAGNTT	CATTC		465

### (2) INFORMATION FOR SEQ ID NO:1077:

### (i) SEQUENCE CHARACTERISTICS:

- (A) LENGTH: 508 base pairs
- (B) TYPE: nucleic acid
- (C) STRANDEDNESS: double
- (D) TOPOLOGY: linear

## (xi) SEQUENCE DESCRIPTION: SEQ ID NO:1077:

GGCACGAGCG	ATAATGCACA	GCTCCGGTCT	GTGGACCCTG	CCACATTCCA	CGGACTGGGN	60
CGCCTACACA	CGCTGCACCT	GGACCGCTGC	GGCCTGCAGG	AGCTNGGCCC	GGGGCTGTTC	120
CGNGGCCTNG	CTGCCCTGAA	GNACCTNTAC	CTGNAGGACA	ACGTGCTGCA	GNAACTGCCT	180
GGATGNCANC	TTNCGTGACC	TGGGCAACCT	TACANACCTC	TTNCTGTACG	GCAACCGCAT	240
CTCCAGCGTG	NCCGAGCGNG	GNTTCCGTGG	GCTGCACAGN	TCGACCGTTT	CCTACTNCAC	300
CAGAACCGCG	TGGGCCCATG	GTGNAACCGG	ATGNTTTTCC	GTGANCTTGG	CCGTCTCATG	360
ACANTTTTAN	TCTGNTTTGC	CAACAATCTA	TTCAGCGGTT	NCCCANTTTA	GGGCCCTNGG	420
CCCCCTNGG	NTTGCCTGGA	AGTAACCTGA	GGGTCAAAGG	GCAAACCCTT	GGGTGTTTTG	480
AATTTCCGGG	GAAGGTCAAT	TTTGGGGG				508

# (2) INFORMATION FOR SEQ ID NO:1078:

(i) SEQUENCE CHARACTERISTICS:

(A) LENGTH: 99 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: double (D) TOPOLOGY: linear	
	•
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1078:	
GGCANAGGNA GTAAACAGAT AACAGGTGGT GGTACCTGGT TGGGGGAGGG GGGCGTGCAC	60
TGCCATGTCT TNTTTTTTT TTTTTTTTT TTCCCNANT	99
(2) INFORMATION FOR SEQ ID NO:1079:	
<ul><li>(i) SEQUENCE CHARACTERISTICS:</li><li>(A) LENGTH: 323 base pairs</li><li>(B) TYPE: nucleic acid</li><li>(C) STRANDEDNESS: double</li><li>(D) TOPOLOGY: linear</li></ul>	
A LA GROVENICE PROGRESSIVE CRO. ID NO. 1070	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1079:	•
GGCAGAGCCT TGGTACTAAG TCATCCTCAG GTTTNATAAC TAATGGTGCC TTCTTTNATC	60
CATCAAAGTT ATGACTGANT GTGGCACCGG GGACAGTTAG TTGCTGTCCT AGAGTTAATT	120
TCCTAGCTTC TTGTGTTACA NATNGGTGGC AGCTAATGCC TTAAAGGCAA AGGGGCCATC	180
TTAACACCAC GGGGTCTAGT TGTTGGGNAT AAATATGGCC ACTGGGGTGA CGGCCATGAT	240
NCCTATAAGT TGGGGTCAGA GCCCCCTATG GGCCATTGTT TTTTNGGGTN CAGGAACATT	300
NTGGGGAAGG CNTTAGTTAA TGT	323
(2) INFORMATION FOR SEQ ID NO:1080:	
<ul><li>(i) SEQUENCE CHARACTERISTICS:</li><li>(A) LENGTH: 386 base pairs</li><li>(B) TYPE: nucleic acid</li><li>(C) STRANDEDNESS: double</li><li>(D) TOPOLOGY: linear</li></ul>	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1080:	
GGCACGAGGG ACAAATATAC AGCTGTTGTA AAGATGATTG ATTCTGGAGA CAAGCTGAAA	60
CTTGACCAGA CTCATTTAGA GACAGTAGTT CCAGCACCAG GAAAAAGAAT TCTAGTTTTA	120
AATGGAGGCT ACAGAGGAAA TGAAAGGTAC CCTAGGAATC CATCANTGNA GNAAGACTTT	180
TTNCAGCTAC TATCGTGCAT TGGNAACTGG GCCCTTTGAA AAGGGACGCA GAGTTGGAAG	240
GGAATTCAAT GATGGAAGGA CATTTCTAAA CTTGNCCTGA GTTTTGGAAA ATTTGTTAAA	300

CANTGACATT GAAAATCTTG AAAGCATNCA AATTGGGTGT TCCGNCCAAG GGCATTNATG	360
AAGGACTCNG ACTGTGGTTT AGGGGT	386
(2) INFORMATION FOR SEQ ID NO:1081:	
<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 71 base pairs</li> <li>(B) TYPE: nucleiclacid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	•
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1081:	
	60
GACCGAGGNC NNCCTGAACC CCCAAGGACA ACCGAGAGTN GATGACCCAA ATCATGTTTG	
AGACCTTCAA C	71
(2) INFORMATION FOR SEQ ID NO:1082:	
<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 266 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	. ·
(2, 10102001, 111001	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1082:	
GGCACGAGGT GAAACTCATC ATGGCAAATA TGCTTATNTG NATATATCCT TTGCCATACA	60
TGNCCTGCAA ACTGTAATGA AATGTTATTT ATAAGACTCG TAAGGCATGT NTNATTAGAC	120
TGGGACACAC AAAAGCCCNT GAATTATCTA GGCAAGCAAT CCTCTAGGGT CCAGATGTAG	180
TTTGGTAATG TGGGTGTTCA GTGATCACTG NTACTTGCAT TGANTGGATT TTNAATTTGC	240
TATGCCTGTG TTGAANTAGT NATTAG	266
(2) INFORMATION FOR SEQ ID NO:1083:	
<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 256 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1083:	
GGCACGAGGT TAAACANCCG ANNCTNNGCN GCAGGTTGCC CNCNTTGGGG CTGCTGGCTG	60
CTGCNTTTCC GGCGGGAGGT GGTGGCCGCG GTCCCACGAG AGGGGGTATT TTNCGTCAGC	120
CAAGATGGGT TCCAAAAGGA GAAATTTGAG CTGTAGTGAA AGGCATCAGA AATTAGTAGA	180

TGAAAACTAC TGCAAAAAAT TACATGTCCC AAGCTCTAAA AAANCGTC	CCA ACAGTCCAAT 240
TNNGGGTNTA NAATTG	256
(2) INFORMATION FOR SEQ ID NO:1084:	
<ul><li>(i) SEQUENCE CHARACTERISTICS:</li><li>(A) LENGTH: 322 base pairs</li><li>(B) TYPE: nucleic acid</li><li>(C) STRANDEDNESS: double</li><li>(D) TOPOLOGY: linear</li></ul>	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1084:	
TAAGTAACAC GNGGTGAGGG TTGCAGATGC AGTTNCCTGT TTTAATCC	GTA TAGACAGGGC 60
AGCTCTACTG CGGAGATGGT CAATGTCCCT AAAAGCCAAA GAACCTTC	GTN TTAAGAGGTG 120
TGGTAAGCAT CACCCTTACA AAANTAACAC AGTATGAGAA AGGGCAAC	GGT TTCCCTGTTA 180
TGCCCAGGGA AAGAGGTGCT ATGAATTGGA AAGCAGAGTG GCTGTGGT	rgg gcagacaaag 240
TCAGTTTTCC AAAAGAAGGC TGGTGCGGTT TGGNCTGTNT CCCCACCC	CAG NTTTGCCTCT 300
TGATTTTCCC ACATGTTNNT GG	322
(2) INFORMATION FOR SEQ ID NO:1085:	
<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 396 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1085:	
CTACATCCAG TCCCTNCCAC AAACCCCAGG AAGGATTTCA CTCAGCTC	GTT CCCACGGGCC 60
ANCCCCCAGG GTNAGTNTNA AAGCCCGCTC CCCAGGGGCC TCTNAGCC	GTA TCCCAAAGGG 120
CGGGCTCTCC CAGCCCCTGG TGTNAGGCTC TTGGCTCTNC CCCTGCAG	GCT GCGGACCTGC 180
TGGAGAAGAT GCTGGAGCTA GACGTGGACA AGCGCCTNAN GGCCGCGC	CAG GCCCTCACCC 240
ATCCCTTCTT TNAACCCTTC CGGGACCCTG AGGAAGAGAC GGAGGCCC	CAG CAGCCGTTTT 300
AATGATTCCT TAGNACACGG AGAAACTTNA CAGTGGGATG AATGGGAA	AGC NTTAAGANCT 360
GGGGGCCTCG GGGTTCCTCG CCTTCGNCTG CAGGCT	396
(2) INFORMATION FOR SEQ ID NO:1086:	
<ul><li>(i) SEQUENCE CHARACTERISTICS:</li><li>(A) LENGTH: 451 base pairs</li><li>(B) TYPE: nucleic acid</li></ul>	

(C) STRANDEDNESS: double

(D) TOPOLOGY: linear	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1086:	
GGAGCTCTCA GCATACCGTG CAACAGTTCT GGGAAATGCC AGTNCAAAGT GGGTGTNATT	60
GGCTCTATAT GTNACCGATG CCAAGATGGA TATTATGGCT TTAGTAAGAA TGGCTGCTTG	120
CCCTGCCAAT GCAATAATCG GTCTGCCAGT TGCGATGCNC TCACAGGTGC TTGTTTAAAC	180
TGCCAGGAAA ATAGCAAAGG TGATCACTGT GAAAGAATGT AAAAGAAAGG NTTTTATCAG	240
AGTCCTGATG CCACTAAAGA ATGTCTTCGC TGCCCTTGTT CCAGCAGTGG ACATCTACAG	300
GCAGCTGCTC CTATTAAAAT TCGAGTGGAA TTGGGNGCCT GGAATGTGGA ACCAGTGGTN	360
AAAGANGGGT TACATAGGGC CCGAACTGGC ATTAAATNTG GNAAATGGGT TATTTACAAT	420
TTTNGACCAG CATCTGTTGG AAAGTGCCCA T	451
(2) INFORMATION FOR SEQ ID NO:1087:	
<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 288 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1087:	
GGCANAGGAA GACCTACATC GCCAGCCAGN GNTGTTCTGG AGGCCACGGG TCAATGACTT	60
CTGGCAGATG GCGTGGCAGG NGAACAGCCG TGTNCATCGT CATGACCACC CGAGAAGGTG	120
TAGAAAGGGC CGNAACAAAT GCNTCCCATT ACTGGGCCCG TAGGTGGGCA TGNCAGCGTG	180
NCTTGATGGG CCCTACTACT GTNAACCAAN TTTCGGGGGA GCATGTACAC AACCGATTNA	240
CAAAACTNCC GTACCTTACA GGTCTGCCCC GTTTTGGACA ATTCNCCG	288
(2) INFORMATION FOR SEQ ID NO:1088:	
<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 282 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1088:	
CGTCGAGATC ACTTTAAAGA AGCCATGCCC TTTGCGCGNG TTNTGTAAGT AACAATAACA	60
TTCCCAACTN TCAAATCTTT CCCCAGACCC TTNAGCAGAG TCGGGGCTTT GGCNAGCTTN	120

AAATTCCCTT NNAGGGAAAC CAGGGTGGAA GCTGGCCCCA GTNAAGGGCA GTGGAAGGCG	180
GGCACAGGTG GCCAGTNTAT ACACAGNAAG ACAATGAATG GTGAACCTGT NTGGTTNAAG	240
TGGTGGTGGC CAGCGTGCCA GTGAAGCTGG ACCTGNCCTG GT	282
(2) INFORMATION FOR SEQ ID NO:1089:	
<ul><li>(i) SEQUENCE CHARACTERISTICS:</li><li>(A) LENGTH: 152 base pairs</li><li>(B) TYPE: nucleic acid</li></ul>	
(C) STRANDEDNESS: double (D) TOPOLOGY: linear	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1089:	
ATCAAGACGG GCAACAGGGT ATCTTGGGAA GTACTTTNCT GACATCATCA AGGAGGTTAT	60
GTCAGACCTG GGAGGANAGC ANNTACCAGA NTGCAAGAGC TTGCGGCTCT GCCATTTACT	120
GGGCGCTCGA NGGGTGGATT GGGGACAAAG CT	152
(2) INFORMATION FOR SEQ ID NO:1090:	
<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 134 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1090:	
GGCANAGACT GGACTGGTTC AAGCGGCCCG ACGGCTTCCT GCTGGTGCTG GAGCGGCCCG	60
AGCCGCGCAG GACCTCTNCA ACTTTATNAC GGAGCGCGGC GCCCTGGAAC GANCCGCTGG	120
GCGNCCGTTT NCTT	134
(2) INFORMATION FOR SEQ ID NO:1091:	
<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 505 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1091:	
GAAAATACGA GGTTAGAAAC TTAACCATTG AAGAGGAGTA AGGCTACTTA AAGCGTTAAA	60
AACTAATTGG GTAAGGTATG GTTGACCCAG CTACTTCATT TGCCTTACGA TGTATATTCA	120
TTAANCTAAG TCACTCACCT TCTCTGTGNA TGTTGATGGT TTGGTACAGT AAACATGAGA	180

TATGATTAAN GGTGATTCAG GGATAGATCA AGTGTCTGCC TAAGTAAATC TGTGTTTTCA	240
TTTTTTTTC TAGTACCATA ACAGCTTGGG GGAAAGACCA TGAAAAAGAT GCTTTTGNAA	300
CATATTGTGA ACACAGTTTT CCATCATGCC CTGTTNCTGT GGGTCCANCG NTAGCTATGG	360
ACCATTTTTN AATGCGTGTG GAGNAAATTN NGGGGGTGAA GGTTNCAAGA CATTTNATTA	420
GTTTCCGGGA AGTACNCCNG GCNCCNNTAT TATTCAGACC NGTTTTCGGG AACCCNCTNG	480
NCACNTGTTA AAGGTTTGGG GGTTT	505
(2) INFORMATION FOR SEQ ID NO:1092:	
<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 363 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1092:	
GGCAGAGGGC ACTGGGGAAA ACAGAGGAGG AGGCACTGAA GCACTTCCAA GTAAAGTTTA	60
ACGANNCCCT CCGTGAAGAC CTGGCAAAAC CAAAGTAAAC TGGCTGGCCC ACAACGTGTC	120
CAAAGACAAC AGGCAGTAGT GGCTCCTCCC AGCTCTGGGC CCAAAAGGAG GCGGCTNCGG	180
GTCGTGGGGA CCAAGCACAT TGGTNCTAAA GGGGCTGAAG AGCCTGAACT GCACCTTAAC	240
GGGCAAAGAA ACCGACATGG CTGCCTTTTG TTTACACTGG TTATTTGATT TCATGANCTT	300
TGAAATAGTT TANGGTGGCT AAACAGCCAT AAACGGAAAC GGCTNCTTTT ATGCANCGGN	360
GGT	363
(2) INFORMATION FOR SEQ ID NO:1093:	
<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 407 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1093:	
GGCAGAGGNA GCAGCTCACC CCCTGGGGGN CCCCCNAAGC CCGGGGGCCA GCTGGACAGC	60
ATGCTGGGGA AGCCTGCAGT NTGACCTGAA TCAAGCTGGG GGTCGCCACA NTCGCCAAAG	120
GAAGTCTGCG GGGCCTGCAA GAAGCCCATC GCCGGGCAGG TTGTGAACCG CCATGGGGAA	180
GACGTGGCAC CCCCAGCACT TCGTCTGCCAC CCACTGCCAG GAGGAGATCG GATCCCGGAA	240

CTTCTTCGAG CGGGATGGAC AGCCCTACTG TGAAAAAGGA CTACCACAAC CTTTTTTTCC

CGGGCTTGTT ATTATTGNAA AGGGCCCCCA TCCTGGGTNA AATGGGTGAA C	AGCCTTTTA 360
ACCGGACGTG GGAACCTGAA AAATTTTTTT TGTNGNAANA TTTTGGG	407
(2) INFORMATION FOR SEQ ID NO:1094:	
<ul><li>(i) SEQUENCE CHARACTERISTICS:</li><li>(A) LENGTH: 456 base pairs</li></ul>	
(A) LENGTH: 456 base pairs  (B) TYPE: nucleic acid  (C) STRANDEDNESS: double	
(C) STRANDEDNESS: GOUDIE  (D) TOPOLOGY: linear	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1094:	
ACTTTNTTGG CCCCAAACCT AGGNCCTGGG GGATCCCCTG ANCCCACTGG A	AGAGTNTNCA 60
GGGCTGGCCC CTGTCCCCAA AATCCCAGGC TCCCCATTTT TCCCAGGTGT C	CCTGCTTTTT 120
AATCTCATCT TCATGTTGAG GCCGTTTTAT TTGACCCTCA AAGAGGAAGA C	CCAGCTTCTA 180
GGGCTGTCCC CGCCCCAGGA CCAANAGTCC TGCAGGGCTA AAGTNTCCCA C	CTGTGCCATG 240
TTAACACACT GCACAATTAA CTCCAGGGGG TGCCGCTCAT NNTTGAAAAT T	TNACAGTCAA 300
TGCTTGAAGT CACGACATTT TTTCCAGAAG ATGGGCNTTA AGGNTCTCGA A	AGAAGGGGC 360
ATTTCTTAAT CCCTTACAAA NTNGTTTTGG GGTTNTNGGT GGAGGTCGNT C	CTGGTNTCAG 420
NAGCCCTAAT TTTCCTCCCC GGACCTGTCA AGAATT	456
(2) INFORMATION FOR SEQ ID NO:1095:	•
(i) SEQUENCE CHARACTERISTICS:	
(A) LENGTH: 310 base pairs (B) TYPE: nucleic acid	
(C) STRANDEDNESS: double (D) TOPOLOGY: linear	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1095:	
TAAATAAATA AATAAATAAT AAAATGAATG AGGAGCCAGG TGCAGTGGCT (	CGTGCCCTGT 60
GAATCTCAAC ACTTTGGGAA GGCCAAGGGT GGAGAATCAC TTGAAGCCAG	GAGTTCTAAA 120
CCAGATTGGG CCAACAAGTG AAGAACCTCA TCTTTACAAA AAGTTAAATT A	AGCCAGGCGC 180
GNTAGAGTGT ATCTGCCAGT NCCCAAGTAC TTGGGAAGGC TAAGGCAGGA	GGATTCACTT 240
GAGCCCCAGG AGGCTGAGGC TATAGTGAAG CTNTTGACCG TGNCCATTGN	ATTNCCAGCC 300
TGGGGNAACA	310
(2) INFORMATION FOR SEQ ID NO:1096:	

(i) SEQUENCE CHARACTERISTICS:

(A) LENGTH: 411 base pairs(B) TYPE: nucleic acid(C) STRANDEDNESS: double(D) TOPOLOGY: linear

## (xi) SEQUENCE DESCRIPTION: SEQ ID NO:1096:

CAGGTTATAA	GTTGAGAAAA	CCACTAAGGG	AAACGCCTGA	TGACGCCCAT	TCTGAATCAC	60
TATTTTCCCC	GTATTAACTG	GTCGGGAAGC	TGCTGCGNTC	AATATTGATA	CGCTTNGTGC	120
ATTGCNCTGA	AAACACAATT	GCACCATTCC	GTTTGAAAAC	CTCGACGTTT	TGCTGCCGAG	180
GGAAATACAG	CTTGATAATC	AATCGCCGGA	AGAGAAACTG	GTGATAGCCC	GTCGTGGCGG	240
TTACTGTTTT	GAAGCAGAAT	GGCGTGTTTN	AGCGGGTGTT	ACGCGAGCTT	GGGTTTAACG	300
TTTCGCAGTT	GTTAGGGCGC	GTAATGTTTA	TTCAAATTCC	GNCCAGNTTA	NCNGCNGGGA	360
ACCCATCGTT	TGCTGTTTGG	TGGGACTGGA	GGAGGAAAAA	TGGGTTGCTG	A	411

### (2) INFORMATION FOR SEQ ID NO:1097:

#### (i) SEQUENCE CHARACTERISTICS:

- (A) LENGTH: 374 base pairs
- (B) TYPE: nucleic acid
- (C) STRANDEDNESS: double
- (D) TOPOLOGY: linear

# (xi) SEQUENCE DESCRIPTION: SEQ ID NO:1097:

GGCANAGGGT	ATTTACCTAC	TGTAGACAGC	TAATAAGATG	TGTGTATGGA	AGACTGAAGA	60
CAGTCTGAGA	GATGCATCTC	AACAAGGCCT	AAGTCTCCCT	TCCTCTGGGA	ACTGTCCGGT	120
AGTGNCTAGT	TCACTGGGGT	CCTTGCTCTG	AGGCTGGTGG	GAAACTGGAT	TTCAGGGACA	180
CAGGCTGACC	ACACAGGGNG	CTGTACCGNA	CCCCTTCCAA	CTGGGAACTC	CCCTCGGTTT	240
CTCACACTGT	GGNCAGTTAG	TGGGTTTGGG	NAGGCTCTAG	GCAAGGGGGA	TGGGTAGTAG	300
GGTGGTTGAG	GATNGGTGGT	TGANTATGGA	CAAAGGTACG	NGTTATGGGT	TTTCACCCCA	360
GAAATCCCAC	NANA					374

## (2) INFORMATION FOR SEQ ID NO:1098:

- (i) SEQUENCE CHARACTERISTICS:
  - (A) LENGTH: 276 base pairs
  - (B) TYPE: nucleic acid
  - (C) STRANDEDNESS: double
  - (D) TOPOLOGY: linear

# (xi) SEQUENCE DESCRIPTION: SEQ ID NO:1098:

GGCANAGTGA TTAACAGATG CAGGCCTATT CAAATTTNCT ATTTNAT	CGTC AGTCTTGGTA 60				
AATTGTAATT TTNAAGATAT TTGTCCATTT NATCTAATTT TCCTAAT	TTTC TTGGCATGAA 120				
GTTGTTCGTA TTTNAATCCT TTTNACGCCT CTAGGATCTG TAGTGAA	ATGT CTTTGCCTCA 180				
TGTTGCTCAA AGAACCAACT CTTTTGGCTT TGTTGAAGTN ATCTGNT	TTGT TTTNATGGAT 240				
TCTGATTCCN TAAGAATTTC CNTGCTTGCA TTTAGT	276				
(2) INFORMATION FOR SEQ ID NO:1099:					
<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 130 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>					
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1099:					
GGNANAGTGC ACGTTGGCGC TACCGGACGG AATGCTGTAT CCCCAAA	AAAA GCCCGTCGTG 60				
GCAGCGCAAG AGCTGGACGG CCTCTAAAGC TTCCNGNACG ACTTCTC	CCAA NAACCAANGC 120				
CGGGGNTTCA	130				
(2) INFORMATION FOR SEQ ID NO:1100:					
<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 485 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>					
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1100:					
TGTATAAATC CTTATTTTAT TAACAGNATA CTATCATAAA TAGTATT	TATA ATGCTGNNAT 60				
TTCAGGTAAG NAAATAGCTA AACTNCAGTA CACTCTACAG TAGCAAC	CTCA GGACAGCTGG 120				
TTACAAGCTG GTTGTNTTAG GACATTGGTT ACACGGATTC TTAGACA	ACTT TAATGGCTGC 180				
GATAACTGTN ACTCTCCATG ATCCATGTTT CTTTTATGCG CATATNA	ATTT GACGCACACT 240				
CATTCAGAGT CCTCCGAGAG GGGCACCCAT ACACGGCAGA NGTGTTC	CATC TCCAACATGA 300				
AAGTGACCAG CTCTCATCCT CGTCTCCCCA ACACCATAAC GTCCTCA	ATCC CGCCTCCAAC 360				
CCACACCAGG NCGAAGCCCT TCANAGGGTG TTTTCATCCA GGGAACC	CACT CTCGAACCTG 420				
AAGGTTTNAC TTTAGCGTTT AGCNAACCCA GGGCGGGTGT GTGTGTT	TTCC CGTTTTGTTT 480				
TTCTG	485				
(2) INFORMATION FOR SEQ ID NO:1101:					

(i) SEQUENCE CHARACTERISTICS:

(A) LENGTH: 373 base pairs

<ul><li>(B) TYPE: nucleic acid</li><li>(C) STRANDEDNESS: double</li><li>(D) TOPOLOGY: linear</li></ul>	
(xi) SEQUENCE DESCRIPTION: SEQ ID	NO:1101:
GGCACGAGGG NCCCCTGTGC AGAGACTGCT TATNTN	NCTGG GGAACTATAA GACGGAGCCT 60
TGCAAGAAGC CCCCGCGGCT GTNCCGNCAA GGCTAT	TGCCT GTCCCTACTA CCACAACAGC 120
AAGGNCCGGC GGCGGAGCCN CGGAAGCACA AATACA	AGGTC CTTAGGCCCC AGGAGGCCAG 180
CCACGGGAGG GAGGAGTGGC AGGGAAGGGG TCAGGG	CAGAG GCTGCTCCCA CTGGCTCTCC 240
GGGAGGTGNG GNGGTTGGTT CTGGGGATTA CAGGA	TCGCA AAGCCCAAGG GCCCAAGGGG 300
AGGGCATTAG TTNAGGATTA GTTGGACAAT TAAGGA	AGNCC CAGTTTTAAA CTTNCTTNCA 360
ATTAATTTNG GGG	377
(2) INFORMATION FOR SEQ ID NO:1102:	
<ul><li>(i) SEQUENCE CHARACTERISTICS:</li><li>(A) LENGTH: 281 base pairs</li><li>(B) TYPE: nucleic acid</li><li>(C) STRANDEDNESS: double</li><li>(D) TOPOLOGY: linear</li></ul>	
(xi) SEQUENCE DESCRIPTION: SEQ ID	NO:1102:
GGGNTACACG CAGGCGCCAA CCAAAGTGGC CAGGT	CTTCG GCCTGGGCCC GGNAGATATA 6
TAACCCCAAG TACTGCCCGA ANGGAACAGT GGCCG	ATGGG GTTCCCTCGG GNNACNGGGA 12
ACTGNCCGGG NCCCGGGGGA AGGTCCCTGA ANTAT	CCCCC TTNATNACCA GGAGGAGGCC 18
GGCTNACTGA GNGCTCCCAG CACGTTTTCT CCCCA	AATGC GTNTTCCCCA TCTGGGATTT 24
TGGGGNTTTT CATGTGTTTT AAANTTTTTT TTTTT	TTTTT T 28
(2) INFORMATION FOR SEQ ID NO:1103:	
<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 298 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1103:

ATGGGGATGT NCCACCTGAA CCCCACCCAC ATCTNCAGGT GGTGAGAGCA GATGGAATGG	120
CACTTTGCAA ATCCCCACCA GCTGGTAAAG GTGAATAGCC TCACTCTTCT GCTTAAAGCC	180
GTCAGTGNGC TGCTNCATCA CACTAGANTA AAATGGAAAC TCCTCACCAT AGGGATCCAG	240
NCTTTGCNCC AACTTTTTGA ACAGCATCTT CCCTGGGATT TTTCCANCNC AAAATTGG	298
(2) INFORMATION FOR SEQ ID NO:1104:	
<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 202 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1104:	
TGGNTTAANC GANTTANAGC TGCTAGCCAG GAACATGGAC TGANGTATCC AGCGCTCATT	60
GGGAATTTAG TTAAGTCCCA GGTGGAGCTC AACAGGAAAG TCCTAGCGGG ATCTGGGCCA	
TCTTNCGGAG CCAAAGANTT TNAAATCTTT TGGGCTTGCC TTTGGCCCAG TAGGGAGGGC	180
NGTCACGGAG GGNTTTTCCT TG	202
(2) INFORMATION FOR SEQ ID NO:1105:	
<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 285 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1105:	
GGCANAGTTT CTCCACAAAA ATATAATTNT NAATTAANGT CTCAAATACA ACTATTTAAT	60
CAACCACTGA TTACTCATAT NGTATACATA TATAAGGGAT ATGACAGAGT AGAATTTNAA	120
TAAANGTAAA TAACTAATTA TAAAATAGGG GTCTTATTTG AATAAACAAT TTTGAATGCT	180
ATCACTGCTT ACCTGANCAC TNCTGCTCAT TTTGGGCCCT CTGGGATCCA AAAATTCCAA	240
AGNCCTTGGG CNTTGGGGAA CCCNCCCCAG GGTTGAGAAG TCTTA	285
(2) INFORMATION FOR SEQ ID NO:1106:	
<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 343 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:13	106:		
GGCACAGGGA AATGTGTGCA GCAAGGTTGT CCTCAAGGGG	CTCTTGTCCA	CGTGNCCCTC	60
TACCCATGGT CCCCACAGCG GGACCAGCTC CACACACAGG	GAAAGANTGG	NAAAGGAACA	120
CCCAAAGCCA ACCTGGCCCT GGGAACCTCC CCTTCCTGGT	TTTGAACGGC	TCCTGNAAAT	180
TGGNTCANTN CACACCGAAA GGACTTTTTT GGAAGGNAGC	GCACCAANTT	TTTTNTTCTG	240
GGAAAGATGG TGGTAAGGCA GAGCTTGAGT TCCATTGCTT	ATGGGAGGG	AGAGATTAGN	300
CCCTTGCACA GAGCCTTCCT TCGGGGGTTN CCAGGGGNAN	TNG		343
(2) INFORMATION FOR SEQ ID NO:1107:			
<ul><li>(i) SEQUENCE CHARACTERISTICS:</li><li>(A) LENGTH: 329 base pairs</li><li>(B) TYPE: nucleic acid</li><li>(C) STRANDEDNESS: double</li><li>(D) TOPOLOGY: linear</li></ul>			
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1	107:	· .	
GGACAGTAAG ATCTTAATCA TCCANAGCTT CTTTAACCCC	AACATCGTGA	GAATTCCATG	60
AGGTNTACGA AACAAACATG GAAATNTACC TGAATCCTGG	AGTACGTGCC	AGGGAAGGAG	120
ACCTTTTGA ACGCCATCAT AGAAAGTTTG AAAGTTCCCG	GAGCCCGATG	CTGCCCTCAT	180
GAATCATGGG ACTTATGCAA AGCCCTCGTC CACATGCACG	ACAAGAGCAT	TGTCCACCGG	240
GACCTCAAGC GCGGAAAACN TTTTGGTAAG TNTTGATTTT	TTGATGATAT	GGGAGAGGGT	300
NTTTTTAGAA TATGGGGTTA AATTTGNTN			329
(2) INFORMATION FOR SEQ ID NO:1108:			
<ul><li>(i) SEQUENCE CHARACTERISTICS:</li><li>(A) LENGTH: 109 base pairs</li><li>(B) TYPE: nucleic acid</li><li>(C) STRANDEDNESS: double</li><li>(D) TOPOLOGY: linear</li></ul>			
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1	108:		
ACTGGGTTGA TACAAAGGAT TGGTCTCAAA GCTCTGAAAT	TTTTTCTNCT	GCTTTCTCTA	60
GTCTGTNGTA TTTNAAAATT CCTATAGTAA ATTTTNNAAT	TCCAGAAGT		109
(2) INFORMATION FOR SEQ ID NO:1109:			•
(i) SEQUENCE CHARACTERISTICS:			

(A) LENGTH: 305 base pairs
(B) TYPE: nucleic acid

(C) STRANDEDNESS: double
(D) TOPOLOGY: linear

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1	109:	- •	
GAATAATTTC CNCATCGNAG ACCCACACCG GGCAGCCAAA	TTAANCGGGC	AAACGCAGCA	60
NATTTNNGGC GGTNAGATCG GTATCGGTGC TGAACAGTGA	ATGTGGCATA	ACAAACTCCA	120
GATAAGTNCT TTTTNATGAT TACGCCACAT CATAAAAAGA	<b>NTAAAAAATA</b>	TCGATTTATG	180
TCGAGTCTAT GCAAAATTGN TATGGATTAC CGGTTTGCGA	GAGAGCGCTA	ATGGCCGCCG	240
TTAACTTACG TCATATTGAA ATTTTTCATG NGGTTAATGN	CCGCCGGAAG	CNTTGACTGN	300
GGNGG			305
(2) INFORMATION FOR SEQ ID NO:1110:	•		•
(i) SEQUENCE CHARACTERISTICS:		•	
(A) LENGTH: 132 base pairs	-		
(B) TYPE: nucleic acid			
(C) STRANDEDNESS: double (D) TOPOLOGY: linear	•		
(4, 20102001		: + ·	•
•	• .	•	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1	110:	•	
NCCTCTTGGC ATGCCTGTCC TAACTTNTNG TAACATCAGG	CCTGCCCCGA	ATCACCTGTN	60
CGAGCCACNC CAGTGCACAG CAGGAACTGG TAAAGTGCCT	GGNCTGCTTC	TNCCTTTNCT	120
CCCTTTCCAT CT			132
(2) INFORMATION FOR SEQ ID NO:1111:			
<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 348 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>			
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1	111:		
CACGGNATTA ANAAACGGTG ACGCGGGTAG CACCACTTCA	AAGGCCTCGC	NACGGTTAAT	60
TGCNACCAGT ACACGTTGCT GATTCANCAC GCGGACAAAT	' ACCACCACGT	TATCTTCCGC	120
ATACAGCACC TNANAGCCGC CATGACGTAG CGCCTGATTT	TTTTNACGCA	GCGCAATCAT	180
TCGCTGGTAC AGCNGGAATA ACGCCGTATC CTGCTTTTCC	CACCTGCNAGG	GGAACGGTTT	240
ACGGCAAAAC GGATCGTTTT TGCCATCCAG TCCTACTTCA	TCACCGTAAT	AAATGGGACG	300
GTACACCAGG GCCAGGTGGA ACAGGNAGGT NCACCGNNCA	NGGCAGGC		348

	, .		
(2) INFORMATION FOR SEQ ID NO:1112:			
<ul><li>(i) SEQUENCE CHARACTERISTICS:</li><li>(A) LENGTH: 145 base pairs</li><li>(B) TYPE: nucleic acid</li><li>(C) STRANDEDNESS: double</li></ul>			
(D) TOPOLOGY: linear			
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1	112:		
ATTTNNGATT GTNCAANACA GAGAATCTCA TCCCGNACAA	GATGTAGGAG	GAAGAATTAT	60
CCAGGTCAAT GGACTTGGTG AATTCCGATC CACCTGAACT	NTGCCACAGT	GAGTCCCGAG	120
TTCCTTAGGC TTNNTGGTNT AGNGG	: · ·		145
(2) INFORMATION FOR SEQ ID NO:1113:			
(i) SEQUENCE CHARACTERISTICS:			
<ul><li>(A) LENGTH: 328 base pairs</li><li>(B) TYPE: nucleic acid</li></ul>	•.		
(C) STRANDEDNESS: double (D) TOPOLOGY: linear			
		·.	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1	.113:	•	
GGCCATTNAA ATTNCCCATC CTGCATGAAA TTCCCCTTGG	TGTAAATNAC	CTGCACAATA	60
TGACTCCTCC TTTACTTCAT CATGACTTGA AGACTCAGAA	TATCTTATTG	GACGATGAAA	120
TTTNATGTTA AGATTGCAGA TTTTGGTTTA TCAAAGTGGC	GCATGAATGT	CCCTCTCACA	180
GTCACGAGTA GTCAAATCTG NCACCAGAAG GAGGGACAAT	TATCTATATG	CCACCTGAAA	240
ACTTATGNAA CCTGGGACAA AANTCAAGGG GCCCAGTATC	AGGCACGGTT	ATATATGAGG	300
CTNTGNCAGT TTTTTCACAT CGGNAAGT			328
(2) INFORMATION FOR SEQ ID NO:1114:			
<ul><li>(i) SEQUENCE CHARACTERISTICS:</li><li>(A) LENGTH: 342 base pairs</li><li>(B) TYPE: nucleic acid</li><li>(C) STRANDEDNESS: double</li><li>(D) TOPOLOGY: linear</li></ul>		·	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:	1114:		
AGGTGACACA GGAGTGGCCT TNCCCTTCGA ATCTTTCCTC	G GGCAACTACT	CCTGTGCTGC	60
CCAGGGCACC CAGGGTGGNC AGCAAGAAGT AAGCAGGGG	A AAGGGCCAGG	GAATGGGGTG	120
AAGTAAGGGC AGGGCCAGGN CAGGGAAGGG AAGGTGGAG	A GGGTGGGCTT	TTGGGGTCTN	180

TTTCCCTTTC CTTCTCTTAA GCCCCTGNTN CAGCCCTGGG GATGGGGTCA AG	ACTGGGGA 240
ATCAAAGCAA GGCCCTGTGG GGCAGTTNTG GGGAGGGGGC TGAGTNTTCG AN	IAAGAACAG 300
TTCCAGTTAG GGGTNAACGG CCTTCCTTGA GCAATNGTTC TT	342
(2) INFORMATION FOR SEQ ID NO:1115:	
<ul><li>(i) SEQUENCE CHARACTERISTICS:</li><li>(A) LENGTH: 315 base pairs</li><li>(B) TYPE: nucleic acid</li><li>(C) STRANDEDNESS: double</li><li>(D) TOPOLOGY: linear</li></ul>	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1115:	
GGCANAGGTT TACTTATCAG TCAGACCCAT TCCGGTGGGC CTCGAAAGGT AT	TGTNCATGT 60
TTGGAGTTTG CTTGGTTTTN TTCTCACCTG CTTTTNACCC TTTAAGAATT TN	NATATGGTA 120
TACATTGTAG TAGAAATATT AGATAATGNC AGGCAAGCAA GCATCAGAAT GA	ACCTAAAAT 180
TCCAGTACTT TGAGTACAAG GCTTTAAACA TTTTAGTATA TACATCTTTC TC	GGTATATGT 240
ATGTGTGTAT ATATATAT ATATGTGCCN CACACACA TATATCTTNT TA	ATAAAANTT 300
TATAATCTNT ANTTT	. 315
(2) INFORMATION FOR SEQ ID NO:1116:	,
<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 254 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1116:	
AGGCACAACG TTTTNANCAG CTTTATCGCC GCTATCAGCA ATGGNCGATG AG	GCGCCGNAA 60
CAACACTATC TTCCAACTTC CGCCCCGGCA CAGGCTGCCC AGGCCGTTGC GA	AACTTTATA 120
AGGACACGAT AATGAACGAT TTTNAATAAT TATGAAAGTG TGGTTTGTAA A	TTGGNAGCC 180
AGCATCTNTT TGGCCCGGAA ACCCTGNNTN AGGTTCACCC AACATGCCGA G	CACGTGGTT 240
AATGCGCTGA ATTA	254
(2) INFORMATION FOR SEQ ID NO:1117:	
<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 229 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:11	117:	· .	
CNAGGGGCCC TNAGGNTCCC TCCTGGCCCC CACGGAACCC	GTGCTNCTNT	TAACTCCTAG	60
GAGATGGTTT AGAAACGTTT CCCCCACTTT GACGGCATTG	NAGGCACCAG	GNGCAGCTCA	120
AAGTAATGTT CATCGGAGGC CCCCAACACC AGGAAGGACT	TTTCACTTCG	AAGAGGGGTT	180
GAAGGAGGTT GGGTTTNATT TGGTCTNCCT TGGNTTTAGG	NCCTTNGGG		229
(2) INFORMATION FOR SEQ ID NO:1118:	. ·		
<ul><li>(i) SEQUENCE CHARACTERISTICS:</li><li>(A) LENGTH: 177 base pairs</li><li>(B) TYPE: nucleic acid</li></ul>			
(C) STRANDEDNESS: double (D) TOPOLOGY: linear			
(b) 101020011 111001			•
	5:-		
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1	118:		
GGCACGAGGG AGACCCGGGG GAGAACCAGG CGTCCAGGAC	GCGCGTTGNA	CCACCCTCAA	60
CACGGATATC AGCATCCTGT CCTTGCAGGT GAAGACCTGC	TNCCGGGGTN	CCCGGGCCCG	120
GNGNCGGACA CTCCCGGGGT TTTCTNGTCC TGTGCACTAG	GTAGATCCGT	AGCCCAT	177
(2) INFORMATION FOR SEQ ID NO:1119:			
<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 425 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>			
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1	119:		
TGGGCCCATN TCCTCCTCCN TCTCCTCCCT GCNATCTTTC	CTCTCCTCAA	ATNTCCCTGC	60
AGTNTGAACC CCGGCCTTGA AGGCTGGGAA GCAGGGAGGC	CAAGAGAAGG	AAGCTGTGAC	120
TCCGCCTAGC TCCTGGTTGT TAAGCACCCA TGGTTGGCCA	GGTTTGNNAC	AAACTCTGGC	180
GCTCTAAAGG CTGATAAAGC CCCACAGCCT GCACGTTTGG	NGCCTGGGCC	TCCAGCCCTG	240
ATAAAGCTGG ACCTGTNAGC ACCATGGCCA CACCTGCTGT	AGGNATGAAG	CGGCCACCCG	300
TNTCCCCTGG GCCATTCCCA NTNAAGGGTT CCTGTTTCCC	TGTTGCACAG	NCAAGCCCTG	360
GGCCACCATG NCTTAGGCCA ACCCTTCCTG GNTGAAGGAA	CAAATGGNNG	TTGGCCATGG	420
GCAAG			425
(2) INFORMATION FOR SEQ ID NO:1120:			

<ul><li>(i) SEQUENCE CHARACTERISTICS:</li><li>(A) LENGTH: 123 base pairs</li><li>(B) TYPE: nucleic acid</li><li>(C) STRANDEDNESS: double</li><li>(D) TOPOLOGY: linear</li></ul>		: :	
	:		•
	120		
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1			
GGCACGANAA GAACCCCCNG NAAAGTCTCA GGATGGNAGT	TCAGATTTGG	TAAGGCATCC	60
CCTAGTTNCA GCTTCCTGGC GGCCTGCTCC ACACAATNGC	CTNTGGGCCC	ATGGCCTTNA	120
TCC		•	123
(2) INFORMATION FOR SEQ ID NO:1121:			
(i) SEQUENCE CHARACTERISTICS:		-	
<ul><li>(A) LENGTH: 328 base pairs</li><li>(B) TYPE: nucleic acid</li></ul>			•
(C) STRANDEDNESS: double	•.		•
(D) TOPOLOGY: linear	•		
	•		
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1	121:		•
TTTAANCAGC TCAGGGGGTT TNATTTCCAA GTAGAAGGCC	GGGAATGGTG	GCATTCCTCC	60
CANAAGTGCA CANTGAACTA TAAACTTNTT TGTGGTAGAT	AGGANTGAAC	AATTATCCGG	120
TTATCTNGTT TCCCTTGCCC AGAAATGGTT CTNTCCCAGT	GGAAATTGTG	CCCCGCTCTG	180
CCAGGACTGG ACACTTGGTC ACAAAANTGG TAGCAGAGGA	TGCTGACAGT	GGTTCTAATG	240
CCTGGTTTTT CCTACCACAT NTCCCGGGCG TTTGAACTCT	r GGTNTCTTTT	AGAATTTTCA	300
GCCAATATTA GGTNAGCTTC CNTAANTG			328
(2) INFORMATION FOR SEQ ID NO:1122:			
<ul><li>(i) SEQUENCE CHARACTERISTICS:</li><li>(A) LENGTH: 386 base pairs</li><li>(B) TYPE: nucleic acid</li><li>(C) STRANDEDNESS: double</li><li>(D) TOPOLOGY: linear</li></ul>			
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:	1122:	•	
CACCATTGAT GGATACTTNG GTTGATTCCA TGTCTTTCC			60
AAAACCTTTC ATGGCCTCCG GAATCTCCTT CCTTGGTCC	r GCCACAGTNC	CAGCAGTTTC	120
CATATTGTTT ATTATTTGGA ATTACAGCAC CAAAGTNCC	r gttaaaatgi	AACTNCTACT	180
TTGGGAAGAG ACCTGATTCC TCATGACAGG CATTAAATA	C CTTAGTTTAG	GCTAGTTTAT	240

CTGCTTGGCC CTCNAGCACG GGGAGCCCTT GGGAATAGAA	GGAAAGCAGA	TAATGTTTCC	300
CTGGGGTCAG TATTGGGTTG TTACCTGGGG AAGGAANTGG	GAAANCTTGG	GGGGTTTCGA	360
GGGGGGNCCC NGGTACCCTT TNGCCT			386
(2) INFORMATION FOR SEQ ID NO:1123:	:		·
<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 265 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>			
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1	123:	·	
CCCAGACGGC GGCAGTCCGG CTTNCCCTTG GAAGTCNAGG	CTCGGTTGTC	TTTTGGAAGC T	60
CATGGAGAGT AACTTTAATC TGNGCTACTA CGTGGGGCAC	AAGGGCAAGT	CCGGCCAGAG	120
TTCCTGGAGT TTAAGTTTCG ACCGGAGGGA AGTTAAGATA	TGCCAACAAC	AGCAATTACA	180
AGAATGNTGT NATGATCAGA AANGAGGCTT ATGTACATAA	ANGCGTGATG	GAGGAACTGA	240
AGAGATTAAT TGACGACATN AAATT			265
(2) INFORMATION FOR SEQ ID NO:1124:			
<ul><li>(i) SEQUENCE CHARACTERISTICS:</li><li>(A) LENGTH: 201 base pairs</li><li>(B) TYPE: nucleic acid</li><li>(C) STRANDEDNESS: double</li><li>(D) TOPOLOGY: linear</li></ul>			
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1	124:	,	
GGCAAGAACA AGCGCCTTAC GAANGGGGAC AAAAAGGGAG	CCATGAAGNA	AGTGGNAAAT	60
CCATTTTCTA AGAANGATTG GTATGCTGTN AAAGCACCTG	CCTATGTTCA	ATATAAGTGA	120
ATATTGGAAA AGAACGCTCC TCACCANGGN CCCACAGGCN	NCCAAAATTT	GCCATCTGAA	180
TGGTTNTTCA CGGGTCGTGT C			201
(2) INFORMATION FOR SEQ ID NO:1125:	•		
<ul><li>(i) SEQUENCE CHARACTERISTICS:</li><li>(A) LENGTH: 270 base pairs</li><li>(B) TYPE: nucleic acid</li><li>(C) STRANDEDNESS: double</li><li>(D) TOPOLOGY: linear</li></ul>			

⁽xi) SEQUENCE DESCRIPTION: SEQ ID NO:1125:

GGAAGAAAC CAGAAGGCA CACTTNAANC TAATTTGGGG TATCACTAAC CTGAAGANAA	60
AGAGAAAGGG GGAGAAAACC TAGCAAACCA CCATGTCCTA TGGGAAAGTT TGCANNATGC	120
ATCGAANATT NTNTGGTGGG GCTCCNCCTC CTNTGCCATC GGGGNTTAAT ATTTNCCTTT	180
ACTTTNCCCA ATGGGGAAAC AAAGTTTGCT TCNAAAAACC ANCTCAGCGG TTTGGTGTGG	240
TTTTTTNCTG GAATCGTGGG AGGTGGCCTG	270
(2) INFORMATION FOR SEQ ID NO:1126:	
(i) SEQUENCE CHARACTERISTICS:  (A) LENGTH: 202 base pairs  (B) TYPE: nucleic acid	
(C) STRANDEDNESS: double (D) TOPOLOGY: linear	•
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1126:	
GNCGCAATTT ACCTTTGCCA AATAATTACC TTTTATCTAC AATTTTNCCT GTTTTTTGGT	60
TCTTTCAGAT CTCACTTGTA TAATGNCTTC TTTGNTAATT TTGTTATATT TTCCTTTCTA	120
TTGTCATAAG TTGGGATGAC TTAANTTANC TNCAGTCTTT GATTGTTATA GGTACTATGG	180
TATNGCAGAC CATAAANATC CT	202
(2) INFORMATION FOR SEQ ID NO:1127:	
<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 173 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1127:	
GAAANTTTTA GATANTACAT AATTATTGCT GTCCANAAAA TCTTAAAATA TATGNATTCC	60
ATGAGACAAG AGATGAAGTA TGAGGTNAAG AATACTATGT CTAAGCTGNA AAGGTACCTC	120
ATTAAGTTAT AGACAGNANT AAAATGAGGA GGGAGTATGA AACATATGGA NGT	173
(2) INFORMATION FOR SEQ ID NO:1128:	
<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 174 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	

GGCAGAGCAG CAGTTCCTGA AGAAGGCGNT GCAGGGGCTG CCANGGGACT TNCTGGGNGC	60
TGCGCTCGTN GCGGTGTGGG AGCAGCTCAT GTTACATCAA GGAGGGACCT CATCCTNNCC	120
GCACTACCAC ACCTTCTGAC GANCTTCATG CATCGCCAGG GNGAGGNTGT CAAG	174
(2) INFORMATION FOR SEQ ID NO:1129:	
<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 303 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1129:	
GGCANAGCTT TCCTCAGAGA CCACATCACT ATTCCATATT TAAGCAGGCC AGCATCGTGG	60
AAAGCNCTTT TCGGGCATCT GGGGCTCCAG AACCGCAGTA TCAACCTTCT TTCTNATGAC	120
TATGGAGATA TTGTTGCTCA GGAGCTTCTC TACAGGTCAG TGGAGCTTCA AACTTCAGCT	180
TATGAATGCT AGGAGAGTAC ATTGTTTCTG GACTGTTTGT ATCCTTTTNN CTCTCGTTTT	240
TCAGCGGTGC ACTGGTTTAA GGTTTGCTCC AGCTTACATG TGTGNTNTCC TCGTCTNCCT	300
TTT	303
(2) INFORMATION FOR SEQ ID NO:1130:	
<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 175 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1130:	
NGNGCACGCT GCCCCGNTNC CCCACTTTNA ATGCAGGCTG GCATACCACT GTGAACTCAG	60
GATCTAAATT TAAAACTTCA ATTCATTTAA ATTTCAAAAC AAAAGCANTG TAAATATTTT	120
NCCCTATCCC ATTACCCTGN TTTGANTCAT TACACATTGT ATACATATAT CCANT	175
(2) INFORMATION FOR SEQ ID NO:1131:	
<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 368 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	

⁽xi) SEQUENCE DESCRIPTION: SEQ ID NO:1131:

CAGCTCAATG TGTAAGCATT TTGGTGCCTG TCCACTAAGT TTCAGGGAGC CTCATTCTTC	60
CTTCACTCAG GGCAGCATTT GCTCTGAGAG AGGCGGCAGA TTCACAAGAG TAAGTAGACA	120
GTCTATTGAG GTTTAGGTTT AAAGTCTTCC TCCAGATACT CCAGATTGAA TGTACTAATT	180
AAAATAGCAA CTACAGTGGT GGAGCATTNA GAATGCTAAT GAATGTTTTA ACCCTTTGGA	240
AACCTGATGC ATTCCCATAG GTTCATATGG TCCATTCTCC AAAACACTGG GCATTGGTTA	300
GAATGGAGTA GACAGTAGAT GCTTAGCTTG AGGTGGGAGT GAAGCTGGGT TCCTCACCNT	360
TTTTNNNN	368
(2) INFORMATION FOR SEQ ID NO:1132:	
<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 383 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	· .
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1132:	•
GTCCTCTCCA AACTGAACCC AGAGAATCTG GAACTCGAAC AAACCTGGGA GNCAAACATC	60
CGTAAGCAGT CAGTCGCCAA TGCCTTCATC ATCTGTGGCA CCTTGNACAC CGTCAGCAGC	120
TACACCTCAG CAGATGCTAC CGTCAACTTT GCTTATGAAC ACAGGCACAG GTATCAGCAA	180
GACCCTGACC ATCCCATTCA AGAACCGCTA TAAGTACAGC AGCATGATTG ACTACAACCC	240
CCTGGAGAAG AAGCTCTTTG CCTGGGGACA ACTTGAACAT GGTCACTTAT GACATCAAGT	300
TTTCCAAGAT GTGAAAAGNC TCCAAGTGTA CAGGCATGGG CAGAAGGGGG TTGNTCAGGG	360
TNTTGGGGGG AGCAGGTNNA GGG	383
(2) INFORMATION FOR SEQ ID NO:1133:	
<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 265 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1133:	
CAAAATGGGA TTTNTTCAAG GNCTGGGTTT AGAAAANTCA GCACAAGGCA TCACTGAGCA	60
TATCATACCT ACTCCTAAAG CAGACTCTAC AGGACTTGGT TATTCTNTTT AGAAGCGGTC	120

ACTATCAAGC CTCCAGAACC CATCCCTTTG ACCTGGAGGA ACTTTAAAAA CCTGTTCTAG

GTAGGTGGAG TGGCTGCTCC CAAAAAATAA AGCTNGGGNG GCNCTGCATA ATTTTGAGTT

180

CTTGGAACAG TTTAAAATTT NGGGN	265
(2) INFORMATION FOR SEQ ID NO:1134:	
<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 387 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1134:	•
GGCAGAGCTC GCGTNGNCTG TGGCCGCAGC TTGAGTATGC TCAGGCTTCA GAAGAGGCTT	60
GCCNTGAGTG TCCTCTGCTG TGGCAAGAAG AATATCTGGT TAGACCCCAA TGATGACCAA	120
TGAAATCACC AATGCCAACT CCCGTCAGCA GATCCGGNAA GCTGATCAAA GATGGGCTGA	180
TCATCCGCAA GCCTGTGAAT GGTCCATTCC CCCGCTTGAT GCCGGAAAAA CACCTTGGCC	240
TGCCGGAAAG GGCNAANTNA TGGGGCATAG GTAAAGCGGA AGGGTACAGC CAATGCCCGA	300
TTGCCCAGAG AAAGGTTCAC GTGGGNTGAG GAGGAATGAG GATTTTNGCA CCGGNTGCTT	360
TCAGAAGTTA CCNTGNATTT TAAGAAG	387
(2) INFORMATION FOR SEQ ID NO:1135:	
<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 184 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1135:	
GGCAGAGCGG CANGAGTGNG CGCTCCTGCT GGGGGTCACG GGAGTCGGGA AGANTGNCTG	60
GTGAACGGCT GCAGGAGGTG AGCTCACGGG ATGGGAAAGG CGACCTTNTG ACCNGCCTAG	120
TNCACGTCCC ACGTTTGTAA TGGACGCCTC TGNACCCCAC CCAGCTCTCT NCATCCTGTG	180
TGCA	184
(2) INFORMATION FOR SEQ ID NO:1136:	
<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 343 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1136:

•		
AATNTTTGGC AAAGCAGTGG AACATATGTT TGAGACAGAG GATGGTTCTA	AAGATGAGTG	60
GAGTGGAATG GTCTTAGCAC GTGCACCTNT CATGAACACA TGGTTTTACA	TTACCTATGA	120
AGAAAGNNCC TGTCTTGTGN CATGTGCCAA CTCTTAGATG ATTACAAAGA	AGGCGACCTT	180
CGCATTATGC CTGATTCCAA TGGAGTCACC TCCAGCAGAA AGGGAACCAG	GGAGAAGTTG	240
TGGACAGCCT GGTAGGCAAA CAAGTGGGAA TATGGCGAAA GAAAGATGGG	NTCGNAAAAG	300
GGACTNGGCA TNGTTCATTT CATCCAAGGT AGGAAGGNCC AAG		343
(2) INFORMATION FOR SEQ ID NO:1137:		
<ul><li>(i) SEQUENCE CHARACTERISTICS:</li><li>(A) LENGTH: 502 base pairs</li><li>(B) TYPE: nucleic acid</li><li>(C) STRANDEDNESS: double</li><li>(D) TOPOLOGY: linear</li></ul>		
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1137:		
GGCACGAGCA ACAGCCTCGG NNNTACTCTG TCTGTGGCGT ANATNTCTTN	ATTCCTTTAC	60
TCTCCTAATA AACTTNCTTT CCCTGTACTC CAAAGACTCG CCCTGAATTC	TTTCTAGCAT	120
GAANTCCAAG AACCCTCTTT TGGGGTCTGG ATTGGAACTT NTTTCCTGTA	GCATCTTTCT	180
GGTGNCCACT GAAGGGACTG NAGTGCAGAA AACCCCCACC CAAAGGCTTA	NCTTTTGGTA	240
AGTGGTGGGG GCCAGTAACA TTTTTCTAGT GNACCCTGAG GGGACGGTTA	CTGAAGAAAC	300
CCCCCGGACC CAAAGGGAAA TAGGAGTTGC AGCACTGGTT AGGGCCAANT	TTGGGTAAGT	360
GGTGGGGGTT ACCAGGTTAA AGGATGGATT GGGTTTAGAG GCCCAANTAG	GGGAGTCAGA	420
GTCTTTCCTA AGACAGATGG GTCAAGGCCG TNTTGTTAAA GGCAGGACAC	TGACCTACTT	480
TGGTTAAAGN CCACTTAGGN GG		502
(2) INFORMATION FOR SEQ ID NO:1138:		
<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 489 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>		
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1138:		
GATCAAGTAA TGAAACTACA GAATCTNTTT GTAGATGATT CAGGTCGATA	A TTTGGCTATT	60
CAATTCCATC TGGAATNTGC ATATGTGTTT TNATATTATN ATGAGTACAC	AAAAGCAAAA	120

NATCAGTTGG ATATTGCTAA GGACATCAGC CAATTACAAA TTGATTTGAC AGGTGCTTTG

GGAAAAAGAA CACGGTTCCA GGAAAATTAT GTGGCACAAC TGATTCTAGA TGTAAGAAGG	240
GAAGGGGATG TCCTTTCAAA TTGTGAATTC ACTCCAGCAC CCACTCCTCA GGAACATTTA	300
ACCAAGAATC TTGAGCTTCA ATGATGACAC CATTCTGAAT GACATAAAGT TTAGCAGATT	360
GTGAACAGTT CCAGATGCCG GATNTGTGTG CTGAAGAGAT CGCTATTATT CTTGGATCTG	420
CACTAATTTT TCAAAGGATA ACCCAGTGCA CACATTAACT GNAGTGGGGG TTTCTGGGCA	480
TTTACATCA	489
(2) INFORMATION FOR SEQ ID NO:1139:	
<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 503 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1139:	
GGCACGAGCT CGTNCGTATA ATAATTTAAT TTGGGTTTGT TGGTATAGAA ACTGTATNTN	60
CACAATAATG ATAAAGCCAC TCAGGCTCAT CTAGTCATTT CCTGGATTTA TGTGTGTAGG	120
AGTACATAAA AATANGGGCA CTGATTCGTT TTGTACTTGT CTAAAATTGT TATTNTTCAG	180
TTGTTCAAAG GTACACAAAA TGCTTTTTNC TTTATAAGGT AANAAATACT TGGNGGTTAT	240
AAGANNTAAC TCTTAACTAG CTTACTTTGA GTGGCTTTGA TATGTATTTN CTCATAATGG	300
AATTCATGAG CTTNCCTTCT TTCGCTTGGC CAAGATTTTT TTTTTCCCTT GAATTCCCTT	360
CTCCGGTGTT ATCTAGGATG TTTGCATTAC AAGCAGGCCG CTTTACCCCC TTTGTCCGTT	420
GTCACAGGTG AAAAGCCATA CAAGGGTACC CGGGGAGGCT GCGACTGGNG GTCCGGCGGT	480
CCGGATGAGC TGACCCGCCA TAC	503
(2) INFORMATION FOR SEQ ID NO:1140:	
<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 86 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1140:	<u></u>
AAAAAAAA AAAAAAAA AAAAAAAAA AAAAAAAAA AAAA	60
AAAAAAAA AANNAAANNA GGGNGG	86

(2) INFORMATION FOR SEQ ID NO:1141:

#### (i) SEQUENCE CHARACTERISTICS:

(A) LENGTH: 399 base pairs

(B) TYPE: nucleic acid

(C) STRANDEDNESS: double

(D) TOPOLOGY: linear

#### (xi) SEQUENCE DESCRIPTION: SEQ ID NO:1141:

•						
GGCAGAGGCA	CAAAAACACA	CACCAGAATG	TTCATAGCAG	CCTTATTTAT	AATAGCCAAA	60
ATCTGGAAAC	AACACAAATA	CCCATCAACT	GGTGAGCAGA	TAAACAAAAG	AAACAACATA	120
AATACCCATC	AGCTNNTGAG	TAGATAAAGA	AAACAGGGTG	TTATCCATAC	CATGGGAATA	180
TTGTTCAGCA	ATAAAAGGGG	AAGAAATACT	GNTGNTTGCT	ACATCACGGA	ATGANCTTCG	240
GAAAACATAT	GGCTGGAAGC	CAAAATGGAA	AAACAACATA	TTGTATGATT	TTCCATTATA	300
TGGAATGGCC	TTTATATGGA	ANGGGAAGGG	CAAACTTTTG	GAAACATAAG	CCNTGGGTTG	360
NCCCAGGGTT	NGGGGTTTGA	ACNGGGTTTG	ACTGCAAAT			399

#### (2) INFORMATION FOR SEQ ID NO:1142:

# (i) SEQUENCE CHARACTERISTICS:

(A) LENGTH: 420 base pairs

(B) TYPE: nucleic acid

(C) STRANDEDNESS: double

(D) TOPOLOGY: linear

# (xi) SEQUENCE DESCRIPTION: SEQ ID NO:1142:

GGCAGAGNCT	CACTGGCCGA	CAGTTGCCTG	CTGGGGAATT	TGCTGGCGGA	CTTCGTTCGC	60
GGNCAATCCT	GNACGGACAA	TATTCTGCTG	AAATCGTTAG	CGGGATCCGT	NTGCTTCGCC	120
GCGTTGATAC	CCTGACCGAC	TCCCTGNCCC	GAAGTGCGGA	TCGCGCGCAN	TAATTTCCGT	180
GGTGATTTCC	GCCGCGTNTC	GATGATCACG	CTCGACGTGG	TTGTGGGATC	ACTTCCTGTC	240
GCGCCATTGG	GGCANAATTC	ATCCACAGCA	ACCGCNGNAA	GATTTTTTTG	CCGCCTGTTA	300
GCAGGTAATT	AACGCCGTNT	TTGCCCGATT	TTGTCGGAGG	CGTTTTCCAG	AATCTGAAAT	360
GNCCTGGTTT	NTGGNCNGAG	CGTTGGATGG	GAACGTTACT	NCGGAATTCC	TTTTTATCGC	420
						420

#### (2) INFORMATION FOR SEQ ID NO:1143:

#### (i) SEQUENCE CHARACTERISTICS:

- (A) LENGTH: 343 base pairs
- (B) TYPE: nucleic acid
- (C) STRANDEDNESS: double
- (D) TOPOLOGY: linear

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1143:	
AACNANTNAC GCAGGNACCA CNAAAATCAT GTTCCACGTG TCCAGAATGC TGCCTTACAC	60
CCCTAATAAC CAGCAGCAGC TCCTCCGGAA GCGCCACATT GGCAACGAAC ATTNTGAACC	120
ATCGTNTTNC AGGAAGCCTG GNCAGCAAGC CCTTNTGCCC CACCACCATC CGCTCGCACT	180
TCCAGCACGT NTTCCTAGTG GTGCGGGCAC ACACACCCTG CACGCCACAN ACCACCTTAC	240
AGGGTGGCCG TGAAGCCGCA CCCAGGGACA CCCCTGNTTT CGGGGCCAGT TCTGCCTGCT	300
TGGGGANGGC CCCTTTCGNA GCCAACGGNG ATTTTCGGGN CTT	343
(2) INFORMATION FOR SEQ ID NO:1144:	
<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 337 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1144:	
AAGCCACANA ATTATCATTT TTTNTTTTTT TGTTAGGGTG GGTCTTCTTT TTTNNTTTCC	60
CTCTCTCTTT TTTTAACAAA TGCCTTCTTA TAGAAAAACT TTCTAAGAGG CAACAATTTA	120
GNAATGGGAT ATTTTGAACG AATCGGCATG AGTGTAACAG NTGNATAACC TGATCTGTTT	180
GTTTTNAAAG NATTATTAAC CAAGTGGAAA AATTCCAGNA ATGANTAGTA ATTTACACTA	240
AACATGCTAT ATAAAANGNT TNAAAGTCNT GATGCTGTGG AAGCAATCTN GTGCTATATT	300
TCTACCTCCT CATTGTCTTA ATTATTGGGT AGTGGGG	337
(2) INFORMATION FOR SEQ ID NO:1145:	
<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 468 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1145:	60
GGCAGAGGGA AAATCATTTC CTTTATCTTC TCCACTAAAT CTAACAGCTT CATTAGTTCC	
TTCTTTAAGA CAGAAGTAAC ACATTGTAAA GAAAATGTAC AATAGATTGC NCTCCAAAAT	120
AGCATCTATG TTGTAAAGTN TTGCAGATGG CCTTGGGAAC ATCTGGTGNA ACAGGAATTT	180
GTGTAGCCTA TGTNCATTGT GCATGTGCAG TGAAGGTCAA CTGACAGAAG GAGAGCCAGA	240

AAATAAAAA TAANNAANCT GNGAGGAAAG ATTGAGTTAT TTGATGGACT	GATTGNCTCG	300
ACACCTCTGC TTCAGAGAAA TGCCATTTTG CCAAACGGAT GGNTCCNCTG	GTTATCANTG	360
NAAGGTTAGG GCATTTGTTC TGTGGGNCCN GNTACAGAGG TTGAATGTTC	TTGGGTAGCC	420
CTGGTTTCAN NTGGGTTAGA ACCTCCGGTT TGCTTTTAAG CTGGGGTG		468
(2) INFORMATION FOR SEQ ID NO:1146:		•
<ul><li>(i) SEQUENCE CHARACTERISTICS:</li><li>(A) LENGTH: 87 base pairs</li><li>(B) TYPE: nucleic acid</li><li>(C) STRANDEDNESS: double</li><li>(D) TOPOLOGY: linear</li></ul>		
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1146:		
GGCANAGGGA AAAAAAAAAA AAAAAAAAA AAAAAAAAAA	AAAAAAAA	60
AAAAAAAA AAAAAAAA AAAAANN	:	87
(2) INFORMATION FOR SEQ ID NO:1147:	: •	· .
<ul><li>(i) SEQUENCE CHARACTERISTICS:</li><li>(A) LENGTH: 381 base pairs</li><li>(B) TYPE: nucleic acid</li><li>(C) STRANDEDNESS: double</li><li>(D) TOPOLOGY: linear</li></ul>		
	•	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1147:		
TTTCCTGTTT CTGAAGCNCA TTTTTTTGTTA TATTTTATAA TATATCAAAA	TATAGATGGT	60
ATAAAATAAG TCCCTTCTCA TGTCTCTCT TTAAAATTGC ATTAGCTAT	TATAGATCTT	120
TATTTTTCCA TATATATGTN ATAGTAAGTT TGAGAATTAT TCAAAAAGTO	CTTCTAGGAA	180
TTTNGAATTT GAATTGATTG AATTTGTAGT TACATTTTGG AAGAATTAAG	AGTTTCATAA	240
TGCTAAGTCA TCCCAGTCAT GGAAGAGGAA GATCTTTTAA ATNATTTAA	TGAGCTTTCC	300
CCCAACCTCA TGTTAATAGT TTTGGGGCAT NCTTTGTTAG ATAAATAGG	AAATACTTNG	360
TTTTTGTTGG GGGNGTTCNA C		381
(2) INFORMATION FOR SEQ ID NO:1148:		
<ul><li>(i) SEQUENCE CHARACTERISTICS:</li><li>(A) LENGTH: 111 base pairs</li><li>(B) TYPE: nucleic acid</li><li>(C) STRANDEDNESS: double</li><li>(D) TOPOLOGY: linear</li></ul>		

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1148:	
GGCAGNGTNA CGAAATACAG NTCCTCCCCA GATGACGCCA TTTTCCAAAG	CTTNGCCCGG 60
GATATACTCT TCTTTCAACC CGGCCATGGT CTGACCCCAN TNGNCCACCA	т 111
(2) INFORMATION FOR SEQ ID NO:1149:	÷
<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 451 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1149:	·
GGCAGAGAAT GCCCTTCAAG ACATGGACAA ATTTAGCTTG AAAGACAGTG	GCCGTGGTGA 60
CAGTAAGGCA GGAGACAGTG ATTATAATTT GGGGCGAGAT TCTCCAATAG	ATAGGCTGCT 120
NNGTGAAGGA TTCAGCGACC TGTTTCTCAC AGATGGAAGA ATTCCAGCAG	TGCAGCTATG 180
AGAACTCTGG CACGGAGGAG TGCANGGTCC TGGGACACTC TGACCAGTGC	TGGATGCCAC 240
CACTGCCCTC ACCGTCTTCT GATTATAGGA GTAACATGTT CATTCCAGGG	GAAGAATTCC 300
CAACGNAACC CCAGCAGCAG CATCCACATN CAGAGTCTTG AGGATGACGN	TCAGCTGCCA 360
GATTCCGGTG AAAAGAAGAA GAGTTTTTTC CACNTTTGGN AAAGGATTCC	CCAAAAGNTT 420
GNGGACATTG GGGTTACCNG CACATCATTT T	453
(2) INFORMATION FOR SEQ ID NO:1150:	
<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 331 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1150:	
GGCANAGGNN AATGTGATAT TGGAAGAAAA ATAGTCACAT ATATCAATGG	AATATACTAG 6
AGAATCCACA GATAAAACCA TAGAAATATG CTCAACTGAT TTTGACATAG	ATGAAAAGTA 12
TTTGTTATTT TACATTTGAT TGATCTTGCC TCACAAGATG GATTTTAATT	TNCTTGTGGG 18
CACATACCNT TATCTTTAGT CTATCTTTCA CAATGCCTGT TAATGGGATC	TTAGGCATAT 24
AANTATACAT TGAACCTAAA ATACTGTTGG NNTTGATTAT AAAAGTTTTT	CAGGGGGGAT 30
AAGTTATNAT TATNGGTTGA GAAGGAGGAT G	33

(2) INFORMATION FOR SEQ ID NO:1151:

(i) SEQUENCE CHARACTERISTICS:

<ul><li>(A) LENGTH: 61 base pairs</li><li>(B) TYPE: nucleic acid</li><li>(C) STRANDEDNESS: double</li><li>(D) TOPOLOGY: linear</li></ul>	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1151:	
GGCANAGCCC CCCCTTTTTT TTTTTTTTT TTTTTTTTT NNGGGGGGGT TTTTTTTT	60
N	61
(2) INFORMATION FOR SEQ ID NO:1152:	
<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 367 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1152:	
GGCAGAGTTT NAGAACCACA ATGTTAACAA TATAGCCAAT ANGTACAGTC TGCACAGCTG	60
GGTTGGACTG ATAGCTGTCA TATGCTATTT GTNACAGCTT CTTTNAGGTT TTNNAGTCTT	120
TCTGCTTCCA TGGGCTCCGC TTTCTCTCCG AGCATTTCTC ATGCCCATAC ATGTTTATNC	180
TGGGAATTGT CATCTTTGGG AACAGTGATT GCAAACAGCA CTTATGGGGT TGACAGAGAA	240
CTGATTTTTT TCCCTGAGAG ATCCTGCATA CAGTACATTC CCGCCANAAG GTGTTTTTCG	300
TAAATAAGGT TTGGCCTTCT GATCNNGGTG TTCCGGGGGC CCTCATTTTT TGGGGTTAGT	360
NCACCNG	367
(2) INFORMATION FOR SEQ ID NO:1153:	
<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 254 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1153:	
ATTTCATACC TACTAGGCTG ACTCACAGAC ACAGTACAAG TGGTGAAGAT GTAANGAAAT	60
TGGAACCATC ACACATTGCT CCTAGGATTG TAAAATGGTG GAGTCACTTT GGAAGAAATC	120
TCCCAACGGC TTCCCACAGN GTCTGANCTA AATTTACNTT CCCACCAGCA GTGTATAAGT	180
NTTCCCTTTC TNTGCAACCT CACCAGTATC TGTAAATTTT GACTTTGCAG TNATAGCCNT	240

TCTGACCATT GTGA	254
(2) INFORMATION FOR SEQ ID NO:1154:	
<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 212 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1154:	
GGNAGAGGGG CAAAGACTTG GGAACTTTAA AAGCTGAAGA TTCTTAAGAA GCTACAATGT	60
ATATAATTTN TNGTTTTATT TNATTGACTG GTTCTCATAG CATACATATG TATGAAAAAC	120
TGAGTACTTA TCTCTTTNTA ATATTTCTAT ACCTCCATTA CCCGTGCCCG ATTTGAAGAA	180
CTGAANTGCN GNCCTGTTCC GTGGNACCCT GG	212
(2) INFORMATION FOR SEQ ID NO:1155:	•
<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 326 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1155:	
	60
GGCANAGGNA GATTCCATGC ATTGGGTCCA ATTTACTACA GAGNTTCAAA TGGAGCGATT	120
TTAGTTTATG ACATAACAGA TGAAGATTCT TTTCAGAAGG TAAAAAACGG GTCAAAGAAT	
TACGGAAAAT GTTGGGNAAA TGAAAATCTG TTTATGTATA GTTGGTAATA AAATAGACTT	180
GGNAAAAGGA GAGACATGTT TCCATTCAAG AAGCAGAGTC GTATGCAGAA TCTGTGGGGG	240
GCAAAACATT ATNCATACTT CATCCTGTGA ANGTNCAACA ATNAAAAACC AATTTATGGG	300
GCTGCTTTTN GTGCACACTA GCCTAG	326
(2) INFORMATION FOR SEQ ID NO:1156:	
<ul><li>(i) SEQUENCE CHARACTERISTICS:</li><li>(A) LENGTH: 360 base pairs</li><li>(B) TYPE: nucleic acid</li><li>(C) STRANDEDNESS: double</li><li>(D) TOPOLOGY: linear</li></ul>	

• .						360
AGCTGTTGGA	TGGNGGCTAG	GGAAAGCTTA	ACAGTNANTC	GNACCTGGGA	AAGÄGGTCTĞ	360
GTTTCCAATT	TTGGACGTTT	GGCATCTACC	CTGGTTACAC	CTGGGTGNAA	TATTCAGGTC	300
GTTNGTGACC	GTTGTTATGA	TGAAAAAATG	TATGATGCTG	CTNANTTGTT	GTACAATAAT	240
AACCGCCTTG	CAGAGTTAGG	AAGAATTATC	AATGGACCAA	ATAATGCTCA	TATCCAACAA	180
CGTAAGAAGG	CTCGAGAGTC	CTATGTGGAG	ACAGAACTGA	TATTCGCACT	GGCTAAAACA	120

#### (2) INFORMATION FOR SEQ ID NO:1157:

### (i) SEQUENCE CHARACTERISTICS:

- (A) LENGTH: 405 base pairs
  - (B) TYPE: nucleic acid
  - (C) STRANDEDNESS: double
  - (D) TOPOLOGY: linear

# (xi) SEQUENCE DESCRIPTION: SEQ ID NO:1157:

					•	
ATAAGAAGGG	TGGCGAGANG	AAAAAGGGCC	GTNCTGCCAT	CAACGAANGG	TNAACCCGAG	60
AATACACCAT	CAACATTCAC	AAGCGCCATC	CATGGAGTGG	GCCTTCAAGA	AGCGTGCACC	120
TCGGGNCACT	NCAAAGAGAT	TCGGNAAATT	TNCCCATGNA	AGGAGATGGG	GNACTCCAGA	180
TGTGCCGCAT	TGACACCAGG	NTTCAACAAA	GCTGTCTGGG	CCAAAGGAAT	ANGGTATGTG	240
CCCATACCGA	ATCCGTGTGN	GGCTGTNCCA	GAAAACGTAA	TGNAGGATGG	AAGATTCACC	300
AATTAAGCTA	TATACTTTGG	GTTANCCATG	TAACTNTTTA	ACCATTTTNA	AAATTTTACA	360
GGACANTCAA	TGTTGGGTGA	NGAATTAATT	CGTTGATTGT	CAGTT		405

### (2) INFORMATION FOR SEQ ID NO:1158:

- (i) SEQUENCE CHARACTERISTICS:
  - (A) LENGTH: 209 base pairs
  - (B) TYPE: nucleic acid
  - (C) STRANDEDNESS: double
  - (D) TOPOLOGY: linear

### (xi) SEQUENCE DESCRIPTION: SEQ ID NO:1158:

		•				
TGNATAGCCA	GAAAACTGNG	ANAACAAGGG	ANCAGTGTGT	AAGGNACTTG	TGCACATCAC	60
TGACTGGTAC	CCCACTCTCA	TTTCACTGGC	TGAAAGACAG	ATTGGTGNGG	ACATTCAACT	120
AGATGGCTAT	GATATCTGGG	AGACCATAAG	TNAAGGGTNT	TCGGTCACCC	CGNGTAGATA	180
TTTTNCATAN	CATTGACCCC	GTATACACC		•		209

#### (2) INFORMATION FOR SEQ ID NO:1159:

<ul><li>(i) SEQUENCE CHARACTERISTICS:</li><li>(A) LENGTH: 137 base pairs</li><li>(B) TYPE: nucleic acid</li><li>(C) STRANDEDNESS: double</li><li>(D) TOPOLOGY: linear</li></ul>	
	•
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1159:	
ACTGTNTTTA TGGACTAGGA ACTTANTAAA GATGAAAGAG TTTCTNCCCT TGAAGTCCTC	60
CCNGATAGAG TTGCGACATC TCNAATCAGC GATGCACACT TGGGCAGACA CANTNATTGG	120
GCAAAGCAGT GGAACAT	137
(2) INFORMATION FOR SEQ ID NO:1160:	
<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 403 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1160:	
GGCAGAGTGG CTATAAACTT TGTNACTGAA GAAGACAAGA GGATTCTCCG TGAACATTAA	60
GACTTTCTAC AATACTACAG TGGAGGAGAT GCCCATGAAA TGTGGCTGAA CCTTATTTGA	120
ATTCCTGGGA ATGAGAAGTT TTGGATGCAG TGCTCGCTGT TGCTGGAATA GGCGGATCAC	180
AACGTGCATT GTGCCTTCTT TGTTTGGGGA ATATTTGAAT CTTGTCTCAA TGCTCATGAA	240
CGGATCAGAA ATACAGNTTT TGANTAGCAA AGNANCGTTA GCCGNAGNCT CCTTGTGAAG	300
GGAAAGTCCA TTGGGCTTTA TNCCTCTTTA AGAGTTTAGA CTGTTTGGGG TGGGTTTTAA	360
AAGATGGGGG TCTGTGAAAA TCCTTTCNTT NNTNAGGAAA TTT	403
(2) INFORMATION FOR SEQ ID NO:1161:	
<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 348 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1161:	
GGCANAGTGA TCACTCATCT AGATATCTCA NACTCTGAAA TAATATAATT NACTAATTTG	60
GGAATTTATA AGTTAAATTT ATAAGGTTTT TAACAAATAT ATTTGTAATG GAATTATTTG	120

AACTTTNCCA AATGAAATTG CATAAAGNAT GTGAAGGNTT GCAACAGTTT ATATTAAAAT

TTTTTNCTGG TTTGCAATAC TTGGGTGGCC TGATGAAAAG AAATTCTTCA ACTTTAG	STCT 240
CTTTCCTGGC ATTGTGTTCA TACCACTCCA TATTTTAAAA GTTGGACCNG TACTTTT	rGGG 300
TTTCACTTCT TTAAATGGNT GNAAAAGGAN GCCCNCCAGG TAATTTTT	348
(2) INFORMATION FOR SEQ ID NO:1162:	
<ul><li>(i) SEQUENCE CHARACTERISTICS:</li><li>(A) LENGTH: 455 base pairs</li><li>(B) TYPE: nucleic acid</li><li>(C) STRANDEDNESS: double</li><li>(D) TOPOLOGY: linear</li></ul>	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1162:	
TGTTAGTGGT GGGNAGGTGT CCTGTNAGCC CCCTCCAAGG AATTCACCAC CCAGCGA	AGGC 60
CACTAAAACC TCCAGAGTAA GTCAATCAGC CATACTAAGG NAAAGTCCTA AGGGGGA	ACAG 120
ACAAGGTGAG NAAGAGGAAT CCTGTGGGCT GGAGGCTGCA GGNAATTAAG CCAAGTA	AGGA 180
AGGAGAGGAA TCCCAGCGGG AGGNAATGGG GGGAGCAGGG GCTTGGGAAG ATGAGGA	CAG 240
GCTTTAGTGN ATGGTTTTTG NGGGAGACAG CTCTTNAGGT GGGAGAGCCA GGAGGTT	AGG 300
GGGTTNAGAC AAAAGTTAGG AAGAGGGTTT TCAAAACCNC AGGGCCCCCA CAAGGGG	GGGA 360
GGTTCCATGA GCCCCNTGAA GTTGTTTTTN CACATTNTTT CCCGTTACAG TTTTTTT	TTT 420
GCGCAANACT TTTTGGTTTT CNTCAATTTT TTCAA	455
(2) INFORMATION FOR SEQ ID NO:1163:	
<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 473 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1163:	
GGCAGAGGNA TGAACAGTAC CAAACAGCAG TTTTTCTCTC ATGGTTCTGG AGCCTGG	AAG 60
TCTGAAATCA GGGTGTCAGG AGGGCCATGC TCCTTCTGAA GGCTGTAGAA CATTCCT	ССТ 120
TGCTTTTNCC TAGCTTCTGG TGGTTGCTAG CAATCCTTGG GCATTCCGTG GCTTGTG	AAA 180
TGTNTCTCTC CAGTTCTTGC CTGTATCTTC ACATTGCCTT CCTTACTATG TTTACAA	.CAT 240
CATCGGTGGG ACTTGATGGA AGAAGGAAAG GGGGCTGTAT ACAGCTTTTG AATCCAG	TAG 300
GGTCTTACCA GAGAGACTCC TTCAAGGCTG GGAGGCTCAG CAAGTGCCCA TGGTTAC	AGC 360

CCTGGTTTGA CAACCAGGTT GGTTTTTAAG GACCATGCAG NATTTNGGNG CAATTTCCNC

TGTCCCTTGG CNAAGGCCAG GGGTTGGTGA AAAAAGTCTT CATTTTCGGG TTA 47	3
(2) INFORMATION FOR SEQ ID NO:1164:	
<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 396 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1164:	
TCGAAATCTA ATTGGGGGCG CTGACATCAT TGTGATCAAA TACAACGTTA ATGACAAGTT 6	0
TTCATTCCAT GAAGTAAAGG ATAATTATAT TCCAGTGATA AAAAGAGCAT TAAATTCAGT 12	0
TCCAGTAAAT TATTGCTGCT GTTGGTACCA GACAAAATGA AGAGTTACCT TGTACATGCC 18	0
CACTAATGTA CCTCAGAACA GAGGGAGCTG TGTTTAGTTA CAACTGTAAG GGGNTCCAAC 24	0
TTNCAAANNA ACTAGGNGGC AACCTATCTT NGGAACTTCC ACAGGCCTTG GATGGACTTG 30	0
TTACATAGGN AAAGTTTTTT TGGGAGGGAG TGTTTGGGGT TNTTTTATGG ATTTCAAGNC 36	0
TTTAAANTCA GAAGGACAAG TGGAAAAAAA TGGAAN 39	6
(2) INFORMATION FOR SEQ ID NO:1165:	
<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 321 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1165:	
GGCACGAGGG AAAAACAGAA ATCAGCGATA CATAGGATGT AAATATACAA CAGAGNAAAA 60	)
TCAACAAAGC TGAGATTTGG TTCTTAGAAA AGATAAATAA AATTAAGAAC CCTCTATGAA 120	)
ATGAGGACTG ATCAAGAGAA AGAAAGAAAA CACAAGTGAA CANTATCANG AATGAGGAAG 180	)
AGGNTATTAC ATTGTNTATC AAAAAGTTAC TGAGGNTTAT TCAAAAGCAC AAAANCAAGA 240	)
CATTAGCATT TTGTNATGGT GAATTTGACA TAGTTTGGGT TAAAATGNGG ATGNTTGTTG 300	)
NGAGGCAAGC TTACCAAACT G 323	L
(2) INFORMATION FOR SEQ ID NO:1166:  (i) SEQUENCE CHARACTERISTICS:  (A) LENGTH: 486 base pairs  (B) TYPE: pucleic acid	

(C) STRANDEDNESS: double (D) TOPOLOGY: linear

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:11	66:		
GGCANAGNCA GGATTTGATT CCACGCCATC TGGTGCTGGA	GGCTATGCTC	ATAACCACTG	60
CTGCATTCTG ACCTCTGTAA CATGCTCATG TCATTACCCT	GCTCAAAAGC	CACACGTGGG	120
TCCCCACTGC TGCAGGGACG GCATACTACT GTNTCTTATT	CATCTTTGTA	TCTTCAAGCC	180
TAATGCATCA CTGAACTGAA ATAGCAAATC GGCGGAACTG	GAAATGAAAT	TNCAATGTGC	240
AAGNAATGTN TCTGTGCAAG GGATGTTCCG TGCGTGGCCA	ACGTTTGCTG	GGTGGACANA	300
AAAGATTGAA CCCACCANTG GGAAGCCAGC TGGGCTTTCA	CTGGTTCAGG	TGNTTGATNC	360
CGGAAAGCAT CCAGGCCAAT TAAGCGNCCG GTTATGGCCC	TGTTATTGGG	TTGNCACAGG	420
GTTCACATTG CTGGAAGTTT GCTGAGCTGA AGGGAAAGGT	TGATCGNCGT	TTTGGTAAAA	480
GGTGGN			486
(2) INFORMATION FOR SEQ ID NO:1167:			
(i) SEQUENCE CHARACTERISTICS:			•
<ul><li>(A) LENGTH: 366 base pairs</li><li>(B) TYPE: nucleic acid</li></ul>		. · · · · · · · · · · · · · · · · · · ·	
(C) STRANDEDNESS: double		· · · · · ·	
(D) TOPOLOGY: linear			
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1	167:		

GGCAGAAAGG	NGAATGGCTT	AAGGCCGGNA	GTTTNAAACC	AGCCTGGGNA	ACATGGTGAG	60
ACCCTGTCTC	TACAGAAAGA	CGGAAGAATT	GGCTGAAAGT	GGTGGCACAT	GTCTGTGGTT	120
CCAGCTACTG	GGGAGGCTGA	GAACCGGAGG	ATACACTTGG	GACCTAGNAA	GTTCAAGGCT	180
GACAGTGAAG	CTAATGAATA	CCTTACCACT	GGCACTNCCA	GCCTGGGAAG	ACAGAAGNCA	240
AGCCCCTTTT	TNCTCTTACA	АААТТААААТ	ТАААААТССС	CCACAGTNCT	TTGANGGGAC	300
TAATGACTNA	TGCTTTAATT	AAATTAGGGT	GGTTTTTAGG	TNAAATTTTT	AATTTTNGGT	360
TTGGGA						366

# (2) INFORMATION FOR SEQ ID NO:1168:

- (i) SEQUENCE CHARACTERISTICS:
  - (A) LENGTH: 224 base pairs
  - (B) TYPE: nucleic acid
  - (C) STRANDEDNESS: double
  - (D) TOPOLOGY: linear
- (xi) SEQUENCE DESCRIPTION: SEQ ID NO:1168:

•	
TTCANAGTCA AGNAATGTGT CTGTTNAAGG AATGTTCGTC GTGGCAACGT TNGCTGGTGA	60
CAGAAANAAT GAACCCACCA ATGGAAAGCA GCTGGCTTCA CTGCTCAGGT GNATTATCCT	120
GAACCATCCA GGCCAAANAA GCGCCGGNTA ATGNCCCTGT ATTGGATTGC CACACGGCTT	180
CACATTGCAT GCAAGTTTGC TGAGCTGAAG GAAAAGNTNG ATCG	224
(2) INFORMATION FOR SEQ ID NO:1169:	•
<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 424 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1169:	
GGCAGAGGNC ACATNATGAT TNATTCTTCC TTTTTTTAAG ACAAAGTTTT CCCCTTTTAA	60
CCCAGGAGGC AGAGGTTNCA GTGAAGTCGA GATTGCCCCA CTGNCACTCC AGCCTGGGTG	120
ACAGGGCGAG TCCCACGTTT NAAAAAGAAA AAAAAATAAA CAGCAGAAAC AACAGCCAAC	180
ACCGACATCT CTATTGGTTC AGCTTACACA ATTTTGAACT GAAAATTTAA AAGTTGNGCA	240
AACTTTCCAC TTGATGGCTG CCAAAACCAG TTCAGCTGCA GNCAAGACCN GGGTTTCAAT	300
GGGAATTTGT TAAACAAGTG GGGTTCTTTT AGGGTTGCTT GCAAATTTAA TTTNTTGGTT	360
TTTGCCCCTT GAAAGGGATT NNCCAAAAAC CGGCAATGGG CTTTTGGNTC CCAACCCNTT	420
GGGT	424
(2) INFORMATION FOR SEQ ID NO:1170:	
<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 498 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1170:	
GGCAGAGCTT GACTTTAGAT AACCGGTTGA CTATGTCCTT AGGTNATGAT CTTTTTNCAA	60
TGAAATTTNT CAGGTGTCCT TTNAGCTTCT NGTATTTGGA TGCCTAGGTC TCTAGCAAGG	120
CTGGGGAAGT TTTCCTCAAT TATTCCCTCG AAGATGTTTT CAAGCATTTN TCCTGCCTCA	180
NCCTCCTGAG TAGCTGGGAA TTACAGGCAC ACGCCACAAT GNCCCGGCTN AATTTTNNGT	240
AMERICAN ACCUSAGE COMMUNICACIÓN CONSCIONACIÓN TO TOTO CASO CON CONTRA CONSCIONACIÓN DE TOTO CONTRA C	300

CCATGATCCT GCCTGNNNTT NAGGCCTNCC CAAANGGNTT GGGATTTACA GGGNTTNAGG

CCACCAAGGN CCGGGCCAAN TGTGGTCCCN TTTNAAGGGG GAAGGTTACC CTATGTGGAA	420
CTGTTGNTNG GGTAACAATT TCTTGGTTAT GGCAGGCGGG GGAAAACCTG CAGGGTTNTA	480
GGGGAAAGTT NTNGGGAT	498
(2) INFORMATION FOR SEQ ID NO:1171:	
<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 269 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1171:	
NTGTNCGCCT GNGGGTCATC TTCTTCTTTC ATGTGTCAAC TGCTCNTCTG AGCAAAAAGT	60
GCTTGGTGTA TCTTGGTCTG GGGANTTATT TGGAAGACAT TATTTGTGGA ACATAATGGC	120
ATANCATTTA CATACGTTCA CCTACTGACT TTGAGTATGA ATGTGTAGGT TGTGTATATG	180
TGTGAATATA TATACACCAC GGTGTCATTC TANGTGTTTG GAATAACTGT TCANACAGTA	240
GTTACCTNTT CCCTNGGAAT TACNATCTG	269
(2) INFORMATION FOR SEQ ID NO:1172:	
<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 323 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1172:	
AATTCGGGCA NNANCNATTA CACTTTGATA TTGCACATGA NATGACACGG GGTCTTTTGT	60
GGACCCTAGC AATGACCAAG GGCCCTGCAC GCACCCAAGC ATGTNCCCTC CCGAGTAGCT	120
GGGATTACAG GCATGCGCCC ACGATGCCCA GCTAATTTNN TTTTGTTTG TTTTTTGTTG	180
GTTTTTGTTT GTTTGTNTGT CTCAAAAAAA AGTTTTTGGA ATNACCTTTT TCACCCAAAA	240
TGGGACACAA GTNAAGGAGA ATGCATTCCT CTGTNGTTTT TGTTTGTTGG TTTTTTTTT	300
TTTTTTGGGG NCCCAAGNTN CCC	323
(2) INFORMATION FOR SEQ ID NO:1173:	
(i) SEQUENCE CHARACTERISTICS:  (A) LENGTH: 276 base pairs  (B) TYPE: nucleic acid  (C) STRANDEDNESS: double  (D) TOPOLOGY: linear	

(D) TOPOLOGY: linear

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(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1173:	
GGCACGAGGT TGGAACTCAG GTAACAGGTA AGCTTCTTTG ACTGAANTAA CAGAAAATCC	60
AACTCAAATT GGCATGAAAA CGATAACAAA AAGGCAGGGA GGGCTCTCAG GTTGATTTAA	120
TGGTTCGAAG ATCAATGAAA GATCCAGGCT TTCACTGTCT CTCTGTTCTG CCATCCTGGG	180
TATTTGGCTT CTCCAAAGGC TGGCTNTNTC CTCTTGGTCA AGATGNCTGC CCAGAGGAAA	240
CCTNAGCAAT GGTTTTTGGT TTGTNACCTA GTGGGG	276
(2) INFORMATION FOR SEQ ID NO:1174:	
<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 106 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	· .
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1174:	
GGCACAGAAA ААААААААА ААААААААА ААААААААА АААААА	60
ΑΑΑΑΑΑΑΑ ΝΑΑΑΑΑΑΑΑ ΑΑΑΑΑΝΑΑΑ ΑΑΑΑΑΑΝΝΝ ΑΑΑΑΑΑ	106
(2) INFORMATION FOR SEQ ID NO:1175:	
<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 489 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1175:	
CCTCTCCTCC AGCNATGCCC TCCACACAC CAGGCACGTG GACAGACACC GAGTGCAGCC	60
CTCNTACCTG GGGCCTGCNT CTGCAAGCAC AGTCCCCTCC TGTATGGACC CTGGCCTACC	120
NACCAAACAC TACATGGNAG CCACTGTCCT TTTCGAGCAC CCAAACGAGG ATCTGCCTGT	180
TCCCGAGCTT CCACGTGTTC CCCAGGNCCA TTNATGGGGG CCCCCGGGGC CGCTGGGGGT	240
TAGGGACCGA GGCAATGCAT ACCACAGAAG CCCGTGCCGG GGCTTTTCCN TGGGGCCACA	300
TCCGTGNTTN NAATNGCTTC CTGGTTAATT CACACAGNTT CAGGGATGCG GNCCNTGGGG	360
GGGAAGGNAA ACAGNCCAAC CTTNGCCATT GGGTTTTANT NCAAGACGGG GGTTAGCGCN	420
TAAAAGCCTT CCAGTGCCTT TGCTTNCCCC TTNCTTCNTA AGCTTAGGCA GGCTTTTTTT	480
TCCGGTNAG	489

### (2) INFORMATION FOR SEQ ID NO:1176:

- (i) SEQUENCE CHARACTERISTICS:
  - (A) LENGTH: 294 base pairs
  - (B) TYPE: nucleic acid
  - (C) STRANDEDNESS: double
  - (D) TOPOLOGY: linear

### (xi) SEQUENCE DESCRIPTION: SEQ ID NO:1176:

GGCACAGAA	G AAGCCTCTGC	NACCCTCCAG	GACCTGGTCT	TTAATGAGTG	TGGGATCACG	60
GATGATCAC	C TCCTTGCCCT	CCTGCCTTCC	CTGAAGCCAC	TGCTCCCAGC	TNAACAACCT	120
TAAGCTTCT	'A CGGGAAATTC	CATCTCCATA	TCTGCCTTGC	NAAGATGCTC	CTGCAGCACC	180
TCATCGGGT	T GAGGCAATCT	GAACCCACGT	GCCTGTGATC	CTGTCCCCCT	GGNAGNGTTA	240
TGAGGGAAN	T CCATGGGTAC	CCTCCANCTG	GGAANGGGTT	GCCTGATCTG	CATG	294

### (2) INFORMATION FOR SEQ ID NO:1177:

- (i) SEQUENCE CHARACTERISTICS:
  - (A) LENGTH: 409 base pairs
  - (B) TYPE: nucleic acid
  - (C) STRANDEDNESS: double
  - (D) TOPOLOGY: linear

# (xi) SEQUENCE DESCRIPTION: SEQ ID NO:1177:

GGCAGAGCTC	AAGCNNTCCA	CCCGTCTCAN	CCTTTCAAAC	TGCTGGGATT	ATAGGTGTGA	60
GCCACTGCAC	CCTCAACAAG	TGTTTTTAAG	GACTTCTTAT	ATGCTTTTAA	GGGAGAAATT	120
ATATTCAACC	AAACAGACAT	GGATGTNTGG	CGCTTTCTGC	AAAACAGGGA	GGTAGGTGAT	180
GATTATGTAG	TTGCAAATGA	AATATAATTG	GCAGCTGTGN	ATTAACACTT	TTGNAGGGAA	240
AGATTCTTGG	TGCTCTAGTA	GCTTCTAAAT	AAGGAGATTT	GATGTAATTT	GGGAAGTNCA	300
GAGGAAGCAA	GACCTGAGAT	CTGATGCGGA	GAGGAAAGGA	TGCTCTGCGC	CAGAGGGAAT	360
TGCNTTATGC	AAAGGGACCN	NGGGTAAGAG	GGAAGGNTGG	NAAATTATG		409

#### (2) INFORMATION FOR SEQ ID NO:1178:

- (i) SEQUENCE CHARACTERISTICS:
  - (A) LENGTH: 488 base pairs
  - (B) TYPE: nucleic acid
  - (C) STRANDEDNESS: double
  - (D) TOPOLOGY: linear
- (xi) SEQUENCE DESCRIPTION: SEQ ID NO:1178:

GGCAGAGTNA ATTTAGCAGT AATTATCCAT GATGATATCA TATTTCANCA GAGCCCCATG	60
ANCATAAAAA AGGTTAGCAC TGTCTCAAAT TTTAGCTCGG CAGGGAAAGA TTAAAAGCCT	120
TTTAACAAGT AAAACAATNA ATTTGAAAGT CAGAGGTGAC TGANTAACAG AGCAAGCAAT	180
GGTAAACTGC AGGTTNAAAT TTGAGTAATG GAATAGGTCC TTCTTAAAGG GGGAAAAATC	240
CATCTTGGAA TAGGATTACC TCTTAAAATT ATNATTTNAT TTTTNTGGGG TTTATTAATN	300
TTTGCCTGGG GATTTAAGTA TTATGGTTTT AAAAAACCGG GGCTTTTGGA ACCCCTTGTG	360
GTTAATTNGG GTCTTTTTNT TACCGGCCCT TGGNAAAACC CAAANCCAAA CCTTGGGCAA	420
TTTTAAATTG GGGTTTCCAN CCCTTTCCGG GAAGGCTTTT TAAANTTTGG GAAATTTTNC	480
CCCTGGAC	488
(2) INFORMATION FOR SEQ ID NO:1179:	
(') CROWINGE CHARACHERICE.	
<ul><li>(i) SEQUENCE CHARACTERISTICS:</li><li>(A) LENGTH: 76 base pairs</li></ul>	
(B) TYPE: nucleic acid	
(C) STRANDEDNESS: double	•
(D) TOPOLOGY: linear	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1179:	
GGCACAGGTT TTTTTTTTT TTTTTTAAA AAAAAAAACC CTTTTTTCCC TTTTTTNNAA	60
GGCACAGGTT TTTTTTTTT TTTTTTTAAA AAAAAAAACC CTTTTTTCCC TTTTTTNNAA AAAAAANCGG GTAAAN	60 76
AAAAANCGG GTAAAN	
AAAAAANCGG GTAAAN  (2) INFORMATION FOR SEQ ID NO:1180:  (i) SEQUENCE CHARACTERISTICS:  (A) LENGTH: 405 base pairs  (B) TYPE: nucleic acid  (C) STRANDEDNESS: double  (D) TOPOLOGY: linear	
AAAAAANCGG GTAAAN  (2) INFORMATION FOR SEQ ID NO:1180:  (i) SEQUENCE CHARACTERISTICS:  (A) LENGTH: 405 base pairs  (B) TYPE: nucleic acid  (C) STRANDEDNESS: double  (D) TOPOLOGY: linear	
AAAAAANCGG GTAAAN  (2) INFORMATION FOR SEQ ID NO:1180:  (i) SEQUENCE CHARACTERISTICS:  (A) LENGTH: 405 base pairs  (B) TYPE: nucleic acid  (C) STRANDEDNESS: double  (D) TOPOLOGY: linear  (xi) SEQUENCE DESCRIPTION: SEQ ID NO:1180:	76
AAAAAANCGG GTAAAN  (2) INFORMATION FOR SEQ ID NO:1180:  (i) SEQUENCE CHARACTERISTICS:  (A) LENGTH: 405 base pairs  (B) TYPE: nucleic acid  (C) STRANDEDNESS: double  (D) TOPOLOGY: linear  (xi) SEQUENCE DESCRIPTION: SEQ ID NO:1180:  GGCANAGAGA GGGTGCTGTA CATTGACATT NATATTCACC ATGGTGACGG CGTGGAAGAG	76
AAAAAANCGG GTAAAN  (2) INFORMATION FOR SEQ ID NO:1180:  (i) SEQUENCE CHARACTERISTICS:  (A) LENGTH: 405 base pairs  (B) TYPE: nucleic acid  (C) STRANDEDNESS: double  (D) TOPOLOGY: linear  (xi) SEQUENCE DESCRIPTION: SEQ ID NO:1180:  GGCANAGAGA GGGTGCTGTA CATTGACATT NATATTCACC ATGGTGACGG CGTGGAAGAG  GCCTTCTACA CCACGGACCG GGTGATGACT GTTTCCTTAT CATAAGTATG GNGAGTACTT	76 60 120
AAAAAANCGG GTAAAN  (2) INFORMATION FOR SEQ ID NO:1180:  (i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 405 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: double (D) TOPOLOGY: linear  (xi) SEQUENCE DESCRIPTION: SEQ ID NO:1180:  GGCANAGAGA GGGTGCTGTA CATTGACATT NATATTCACC ATGGTGACGG CGTGGAAGAG GCCTTCTACA CCACGGACCG GGTGATGACT GTTTCCTTAT CATAAGTATG GNGAGTACTT CCCAGGGAAT GGGATCCTAC GGGAATATCG GGGCTGGCAA AGGCAAGTTA TTATGCTGTT	60 120 180
AAAAAANCGG GTAAAN  (2) INFORMATION FOR SEQ ID NO:1180:  (i) SEQUENCE CHARACTERISTICS:  (A) LENGTH: 405 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: double (D) TOPOLOGY: linear  (xi) SEQUENCE DESCRIPTION: SEQ ID NO:1180:  GGCANAGAGA GGGTGCTGTA CATTGACATT NATATTCACC ATGGTGACGG CGTGGAAGAG GCCTTCTACA CCACGGACCG GGTGATGACT GTTTCCTTAT CATAAGTATG GNGAGTACTT CCCAGGGAAT GGGATCCTAC GGGAATATCG GGGCTGGCAA AGGCAAGTTA TTATGCTGTT AACTACCCGC TNCCGAGACG GGGATTAATG ACGAGTCCTA TGAAGGCCAT TTTCAAGCCG	60 120 180 240

(2) INFORMATION FOR SEQ ID NO:1181:	
<ul><li>(i) SEQUENCE CHARACTERISTICS:</li><li>(A) LENGTH: 277 base pairs</li><li>(B) TYPE: nucleic acid</li><li>(C) STRANDEDNESS: double</li></ul>	
(D) TOPOLOGY: linear	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1181:	
ATACCACTGC ACCCTCAGTG ACAGAGTGAG ACCCTGTCTC TGCAAATAAA AATAAAAAAAC	60
TTGAAGTGGA TGAAAAGATC TAATATGAAA GGTGAAAATA TAAAGCTAAT GNATGTGTAA	120
GTATGAGCAA TAGATTTGGG GACTTTAAGC TGGGGAAGGA CTTCTTAAAT ATGATTCACA	180
AAGCACTTAA CCATAGGGGG AGAATGGATA GATTTGTCTA CATCAAAATN GAGGATTTCT	240
GTTNCNCGGA NGCTCCCCAC AGNTTAAGTT ACCAGAC	277
(2) INFORMATION FOR SEQ ID NO:1182:	
(i) SEQUENCE CHARACTERISTICS:  (A) LENGTH: 250 base pairs	
(A) LENGTH: 250 base pairs  (B) TYPE: nucleic acid	
(C) STRANDEDNESS: double	
(D) TOPOLOGY: linear	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1182:	
GGCACGAGGN AAGCACAGAC TTCGGATGTA CAAAACAAAG ACTTTTCATC AACTCTTTTA	60
GATATGCTAG AAGAGCTAAA GGAAACCATG GACAGAGAAC AAAAAAATTA GGAAAGCAAT	120
GTCTCATCCA ATACAGAATA TCAATAAAGA GGTTTGAAAT TTGTTGGAAA AGGAACCCAA	180
TTNGAAATTT TTGGAGGTTG AAAAGNTTTT TTAACNNAAA ACNTGAAAAT TTCCCTTAGG	240
GGGGTTTTCC	250
(2) INFORMATION FOR SEQ ID NO:1183:	
<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 90 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1183:	
GGCAGAGTCG AGTTTTTTT TTTTTTTTTT TTTTTTTTTT	60
TTTTTTTTT TTTTTTNN CNNNAAAAA	90

(2) INFORMATION FOR SEQ ID NO:1184:	
<ul><li>(i) SEQUENCE CHARACTERISTICS:</li><li>(A) LENGTH: 297 base pairs</li><li>(B) TYPE: nucleic acid</li><li>(C) STRANDEDNESS: double</li></ul>	
(D) TOPOLOGY: linear	
	•
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1184:	
GGCANAGCCT CAGTGAAAAT ATTTCTGCAG CTATCCAAGC TAATGGTGAA ATGGTTACAA	60
AGCAACCATT GATTAGAAGT ATGCGAACTG TAAAAAAGGGA AACTTTAAAG TTAATATCTG	120
GTTGGGTGAG CCGATCCAAT GATCCACAGA TGGTCGCTGA AAATTTTGTT CCCCCTCTGT	180
TGGATGCAGT TCTCATTGGT TTATCAGAGA AATGTNCCAG CTNGCTAGTG GAACCCAGAA	240
GTGCTTAGTA CTATGGCCCT AAATTNGTCA ACAAGTTTAG GGGGGGNCAT ATTTNCC	297
(2) INFORMATION FOR SEQ ID NO:1185:	
<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 275 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1185:	
AACCCTACAA ATGTAAAGAA TGTGGAAAAG CTTTTCACCG ATACTCAATC CTTAGTACAC	60
ATAAGAAAAT TCATACTGGG GAGAAACCCC ACAAATGTGG AGGAATGCGG AAAAGCCTTT	120
AACTGGTCCT CAACTCTTAT TACACATAAG ATAATTCACA GTGGAGGAAA AACCCTACAA	180
ATATGAAGGA TGTGGCAAAG CTTTTGAACC AGTCCTCACA CCTTATGNGN ACATANGAAA	240
ATTCATAGTA AGAGNAACCT TTACAAATGT GNAAC	275
(2) INFORMATION FOR SEQ ID NO:1186:	
<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 505 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1186:	
GGCAGAGTCT CAATGTTGGA CCTAAGATAT TGAAGACAGG CTGGAGTCCA GAGCCTTCAT	60

TCAATCTCAG ATTTATGAAA ATAATTACTG GATTGGATTA TCATATGATG AAAGGGAAAG

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TAAGTGGAAA TGGGATTGAT AATGGCACAT CTCCTGGGAT	TAATTCTACA	ATAATGCGTT	180			
TTTCTTCTGG GAGAGGAGAA TGTGCCATTT TTGACCTCAA	CAAGAATGGC	AACTATTGAT	240			
TGCATTCAAA CGTACAATTG TATCTGTGGG GAAGAGGAAT	AGGACTCTAT	TTTCCTCTGG	300			
ATTNCGGTGT GCGCCCAAGA AGGAAAAGGG TGGAAAATGG	GNATGTTTTT	CCCTTTTTTT	360			
TGTTTTCCCC CNTAATAAAT TTNCCGGATT TATTAAAATC	CATTGGCTTT	TTAAACCGTG	420			
GGGGGCCTTA GGTTNAATTC CTTTCCAAAA GGTTTAAAGG	TTGGAACCCG	GGGNAGGGNA	480			
AAAAGGGAAA ATTTATTTT TTGGG	•		505			
(2) INFORMATION FOR SEQ ID NO:1187:						
<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 384 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>						
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(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1187:						
GGCAGAGGGA ACAATATCCT CCATGAAAAA CTGCCGCACT	GTGTGAAGAG	GAATTTAATG	60			
CATATTCATC TTCCTCCCTT TAATACGCNG CAAACCAACA	TGTTTCTTTA	CAGCTTCTCC	120			
TGGGGAAAGA GAAGTAACCA CTGAGCTTCC AGGTTGTGAA	GATATAAAAC	AGCTGTTGTT	180			
CATTTTTGGT TGGAGCTATT TTACACTCAT GTTCATGGCC	CCAGATAACA	AGATCAATGA	240			
AGTCATCCAA AAATTGTTCT GGGAATGAAG TTAGTACTTC	CATGTTTACT	CCTGTTCCTG	300			
ATGGAATCAC AATTAAGTTA AACCANGAGT TCNTCATCTT	CCNTTGGTCT	TCAACATGTN	360			
AACTTTTTTA TTGACAAACN TTCG			384			

### (2) INFORMATION FOR SEQ ID NO:1188:

- (i) SEQUENCE CHARACTERISTICS:
  - (A) LENGTH: 491 base pairs
  - (B) TYPE: nucleic acid
  - (C) STRANDEDNESS: double
  - (D) TOPOLOGY: linear

# (xi) SEQUENCE DESCRIPTION: SEQ ID NO:1188:

GGCAGAGAAG	GAGAAGTCTT	TACCTGGGGT	CATAATGCTT	ATAGCCAGCT	GGGCAATGGG	60
ACAACTNATC	ATGGTTTAGT	GCCCTGTCAT	ATCTCTACTA	ATCTGTCAAA	CAAACAAGTC	120
ATTGAAGTTG	CCTGTGGGTC	TTACCATTCT	TTGGTGCTAA	CATCTGATGG	AGAGGTATTT	180
GNNTGGGGTT	АТААТААСТС	TGGGCAGGTA	GGATCTGGAT	CAACAGTTAA	ATCAGCCAAT	240

CCCTTGGAAG GTCCACTGGC TGCCTACAAA ATAAAGTAAG TTGTGAACCA TTGGCATGTG	300				
GGCAGATGTG CTGCATGGGC ATTAGTAGAC ACGGGGGGAG GTCTATGTTN TGGGGTTTAC	360				
AACGGAAACG GGCAGCTTGG ACTCGGGCAA CATGGCAACC AGCCAACNCT TGCAGATTGG	420				
CAGTTTGCAA GGGCTTCNTG TNCCANGGGT ACGTCCATTT CCAATTTTGT GCGTGTATTT	480				
TTAAGCTTNG T	491				
(2) INFORMATION FOR SEQ ID NO:1189:					
(i) SEQUENCE CHARACTERISTICS:  (A) LENGTH: 490 base pairs					

- (B) TYPE: nucleic acid
- (C) STRANDEDNESS: double
- (D) TOPOLOGY: linear

# (xi) SEQUENCE DESCRIPTION: SEQ ID NO:1189:

GGCANAGGTT CC	ATATAGAT	ATTGCAGATA	GAAGTCAAGT	TGAACCAGCA	GACTACAAAG	60
CTGATGAAGA CC	CAGCATTA	TTCCAGTCAG	TCAAGACCAA	GAGAGGCCCT	TTGGGAACCC	120
AACTNNNAAG GT	'ACTGNATG	CTGACCTTTC	TGAACAGGCA	GAGTCTTGGG	CAACAGAACA	180
CTTGACAGGT CC	TGAGTCTT	GAAAGAGCTG	GTGACGTTTA	AAGTGNAAAA	ATAGAAATGG	240
GCACAAAAAT AG	TTTTATTT	GCGATTAAGG	ACTTACAGCC	AGTTGCAGTT	GGCCAGCAAN	300
TCTGTGCTGC AT	TAACAAAC	AGAACAGNGC	CAGACTGTTC	ATTTTCAGNA	TAATGCAGTT	360
CCATTAANCT TT	AAAGGGAC	AAGTGGTTTA	GTCNTTGGGG	TTNNNATGTT	CTCTTTTGAG	420
ACCTGAAGCG TA	TAAAATNC	CTTTTAATGA	GGTTTTAGTT	TAAATTNGTC	ттаттаааас	480
TGANCAGTTC						490

#### (2) INFORMATION FOR SEQ ID NO:1190:

- (i) SEQUENCE CHARACTERISTICS:
  - (A) LENGTH: 488 base pairs
  - (B) TYPE: nucleic acid
  - (C) STRANDEDNESS: double
  - (D) TOPOLOGY: linear

#### (xi) SEQUENCE DESCRIPTION: SEQ ID NO:1190:

TGGATAACAA ATCCCTACC	r ATAGCCATGT	GGAAGCAGCT	TGTCACTGTA	TTTTAACTGT	60
GTAACAATTA TTGAAGGCG	A AAATAGNAGT	TGGGTCATCT	TTGAACACCT	ACCTTTTATC	120
AATGAATATT TTTAGACTG	r ncttcagtat	CTGAGTCAGA	GTTTATTGTA	ATTTGTTATT	180
TACACCAAGG TGGCATCTT	A GTCTACCTTC	AGTGAGACTT	GCGTTTCAGG	GGAGGGGCGT	240

ATGTNCATCC TCGGTCTCCG TTATGTAAAC GGTCTGATCT GTNAAAATAG TGGTAGCA	ACA 300					
TGCCACGTGG GATAGTTGGT GGAGATGATA GATGGAGTTT AAGCACAGGG CCCAGCCT	GT 360					
TCAGCAGTAG CTACTATTAN TGTTGCCCAT TTCCCCTGCA ACTGAGGTGA GAGGTTTT	CNC 420					
NCGAGTTTTA AAGCTGACTG GGCCCACAGT TAAACGGTAA CAGACCAGTT TTTTCAGG	GT 480					
GTCAGCCC	488					
(2) INFORMATION FOR SEQ ID NO:1191:						

#### (i) SEQUENCE CHARACTERISTICS:

- (A) LENGTH: 500 base pairs
- (B) TYPE: nucleic acid
- (C) STRANDEDNESS: double
- (D) TOPOLOGY: linear

#### (xi) SEQUENCE DESCRIPTION: SEQ ID NO:1191:

GGCACGAGGA ACTGCTTGAG AGCTTTTCTT AATTGGGAAA AGAATGCCCC GGTAGATGTT 60 GGCTTCATGG TTTCTAAGCT GCTTTTGACC ATACAGTTAT GTCCAAAAAC AGAATTTCAA 120 CCTAGTGAAA AATTTGGTGA AGACCTAAGT GATAACACTT GGGAATACAT ATTTNCCATT 180 GATCTGCTCT GCTGCCATCA GAAATGGATC TGGACGCATG ATAACATCAT AAGTAAGGAG 240 CTGTGGCCTG TGATGGATAA ATGGATAAAA TACAGAAAAG GACATGCAAA CATTGCGTAT 300 360 ACTCCTGATA TTATTATAGC CTCCAATTAC TGAGGCTGAT TGGTCGTTTA GGCCAATTGG GTTTGAAAGA AGGGTTTTCC ATCTGCTGTG AAAAAATATT AAGTTCGGTT ATTGGTATGT 420 TTATTACAGC ATGCTCACGG TGAAGGTTAT TACCCNTGGG GGTATACCAG TTTAGCAGCC 480 500 CGTGTATGCT CCTTTGTGAC

# (2) INFORMATION FOR SEQ ID NO:1192:

- (i) SEQUENCE CHARACTERISTICS:
  - (A) LENGTH: 403 base pairs
  - (B) TYPE: nucleic acid
  - (C) STRANDEDNESS: double
  - (D) TOPOLOGY: linear

### (xi) SEQUENCE DESCRIPTION: SEQ ID NO:1192:

GGCACGAGGT	TTTCAGAGAC	ATAGAGGATA	GCAAACAAGC	TCAATTTTTA	GCCTTGGCAG	60
TAGTATACTT	TATCTCTGTT	CTTATGGTCT	GCAAGTACAG	AGACATTTTG	GTAACCCCAA	120
AATGAAAGGC	ATAGCCAGTC	ATGTACAGAA	ACTGGCAGTG	GAAAATGAAG	AATGTATCAC	180
TCTCTGAAAT	CACACCAGCA	GCATTCAGCA	CTTTGAACTA	CGGCATCAGT	GGGAAGGAAT	240

CTGNAAGGCA CATCATCTGC TTCGAAGGAG GGACTCAGGC ATTGGGGGAA GAAACAGCCA	300
CTGGTTTAGG AAGCCATGTG GGAAGTAACT CNTCACACAG NACCTTCCTG GTGTTCAGTN	360
GCAGGNCCCA GTTGCATTCA GCGAGGTGCT ATTTTANTCT TTC	403
(2) INFORMATION FOR SEQ ID NO:1193:	•
<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 389 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
( ) GROUPING PROPERTIES. GEO. ID NO. 1103.	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1193:	60
GGCACGAGNA AGAAGCTTGC CTTATGCATG CTAATGTTAC ACTGCCAAAG CCATCACATG	
ACCCAGCTGG GTGCTAGAGG TACAAGCACT TGGNTATTAG GGGTGCGATT TGGGTACCAT	120
CCAGTATAAC AGAGTGGTTT ACCACCTTAT ACACATTGTA TATGATTTCT TGCAGTCAGT	180
TTTGTGGAAG GGAGTGCATT TTATTCCATT TTGTTTTGTC TACAGTGGAA TTTTGTTGTT	240
ATAACTATCT TCCTCCTTTT AAAAGTTGGC AACCATAATA TTATACTTCA TATTTTGAGA	300
TAATGTTTAG ATTTTACCCA AAAAGTTGGC AAAAATAGTN NGGANTTNCC CTTATGGCCT	360
TNCACCCGGG TTTCTACTAA TGGTTAAAC	389
(2) INFORMATION FOR SEQ ID NO:1194:	
<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 106 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1194:	
GGCAGAGGNA ATTTCATTGG GNACAGCAAC CATGGCAGCC AATCTCCCAG GAATGTGGAG	60
GAGAGGATGN TTGCAGTCAT TTAAAGGTGG AAAGGCTTTT GTGNCN	106
(2) INFORMATION FOR SEQ ID NO:1195:	
<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 158 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	

⁽xi) SEQUENCE DESCRIPTION: SEQ ID NO:1195:

GGCAGAGCCC AAGCACAGTG ACTCACGCCT GTNAATGCCA ACACTTTGGG AAGGCTGAGG	60
TGGGAAGATT GCTTGANTCC AGGATTTTAA GGCCACCCGT GGCAACATTA AGACCCCATC	120
TCTACCAAAA AAAAAAAAA AAAAAAAAAA G GNNCCCCN	158
(2) INFORMATION FOR SEQ ID NO:1196:	
<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 454 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1196:	
GGCACGAGCG TTANCGNCGC NTNCGGTGAG TCAGTCCGCC CAGTGCACCA ACTGCGTGCA	60
GGACGACACG GCCAAGGCCA AGATCACCAT CGTGGCAGGC GTGCTGTTCC TTCTCGCCGC	120
CCTGCAGCCT TGCNTCGGAG GCCAGCCCAC CCCCAGAAGC CAGGTAAGCC CCCGCGCTGG	180
NACTGGGGCA GCTTCCCCAG CAGCCACGGC TTTGCGGGCC GGGCANTCGA CTTTGGGGCC	240
CANGGGCCAA ACTGCATGGA CTGTGAAACT TAACCTTTTT GGAGCAAGGG GGCTTGGGTT	300
ACCGNCNATA ATTTNACCAA CCCGTTGGAG NCCCATTGGG GCCGTTGNCC CCAATGTTTG	360
GGTTTGGGNA AGGGACCGGN AATCCTTGGA AGGGGCATTT GATATTTTTT CAATTAAAAG	420
CTTTTGGTTT TTGNATTGGN AAAAAAAAA AAAN	454
(2) INFORMATION FOR SEQ ID NO:1197:	
<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 323 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1197:	
ATGAGCCCCC NCGCCCGGCT ACCTGAACCT CTTTTGACAA GTNCTGATAT GAAGGCCCCA	60
TATCAGCTGG GGCCACGGCA GCAGCCCATG CAGGNGGGGC AGNCTGGGNG TGGCTGGCCA	120
GGGNAGGGCC TGGGTGGGN CTTCAAAGCT GGTGGGNATG CGGGTGGGTG TGGGGCCACA	180
AGAAGGAAGA GGGGTATCCA GGGTGCCCCC AGTTCCTACG TGNAGGAATG GTGTCTCCCA	240
AGAGCCATGG TGGCCTCCGT GGGGACAGTG AGANTAGAGG CTTGTNAGGN GGCCCTTTCA	300
CTTGGCNTNG AAACTCACTG GGT	323

(2) INFORMATION FOR SEQ ID NO:1198:

(i) SEQUENCE CHARACTERISTICS:

(i) SEQUENCE CHARACTERISTICS:

(A) LENGTH: 478 base pairs(B) TYPE: nucleic acid(C) STRANDEDNESS: double(D) TOPOLOGY: linear

<ul><li>(A) LENGTH: 316 base pairs</li><li>(B) TYPE: nucleic acid</li><li>(C) STRANDEDNESS: double</li><li>(D) TOPOLOGY: linear</li></ul>	· · ·
	•
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1198:	
GGCACGAGGT TTTCTCATAT ACATGATGGT GTATGTAATG GTTAAGGTAT ACAAGGTGGT	60
TTGCCCATGA AAGTCTATTT AATCTCTAAC AGACATGAAG AGTGTTATTA ATAGAACCTT	120
TCCCCAAAAT GTTGTAGGGG AAAATGTCCC AGTTCCATGT GGAATTGTCA GAACAAGCCT	180
CAGCCTCTTC GAGGATTTCA AAGTGGCTTT CGTCTTTTAA GTTGATGTCC TATCTCTCTC	240
TCTGTGCTCC TTTTTTTTN AACTTTGTGT GCTTGGAACA NGGACCCCTT GCCACTTTNA	300
AAGCTGAGTN ATTNAT	316
(2) INFORMATION FOR SEQ ID NO:1199:	
<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 492 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	•
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1199:	
GGCACGAGCT CGGCCTNTNT TNCAAGTTTC TCCAAGGGGC TGGCGGCGGC CAAGACTTGC	60
GGGGTNTAGG GGTGCTGCGG GCGGTCGAAG ATCTCGTCGN GGGCACCCAT TTCCACCACC	120
CTGCCCTCGC TCATCACCGC CACCCGGTGG GCGGATGCGT TCCACCGCCG CCAGTCGTGG	180
GGAGATGAAC AGGCAGGCAA AGCCTNACTG CGCCTGCAGN TTCGGATACA GCTTCAAGAA	240
ATCTGGCTTC TGGGATGGTC ATGTCCAACG CCGAGATCGG CTTCATCGGC AATCACCAGT	300
TCGCGGGTGT CCGCACCAGN GCCCGGCCAA TGGNCACGCN TTNGACGCTG GTCACCGGAC	360
AANTGGTGCG GGGAAGGGGT TCGACAAATT TTTCCGCCAG CCGATTGTTC CANCAGGGTT	420
TTTGGCCAAC CGTTCAAGAC GTTTNGGGGN TTTCATGCCC GGGGAAATTG GCGNAGGNTT	480
TTCGGGGAGA TT	492
(2) INFORMATION FOR SEQ ID NO:1200:	

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1200:	•
GGCACGAGCT TGTATTTGTC TACTGACAGC CCCTTGGTAC TATTTAGGTT GGGGGAGGGG	60
ACCTAAAATA AATAGACTTT AACATTTCCC TTGGGTGCTA ATCATAGTTG GAAGTTGAAT	120
TTAAGGTGAT TATTTGGGTG ACAATTAAAA ACCTAAGGAA AACCAGAAAT CTTGGTAGTG	180
GAAGAAATGT GTAAGGTCAC CCCAATCGGT AGATTTTAAT GAACGTTGTG GAATGTTGGG	240
AGAGGGGATG TTAAGTTGAA TGCAGAATTT CACTAAGTAC TTAGTGTAAG TTTTAAGGAT	300
GTTNGCTNNT TTTNATCNAA GGAATTCCAT GTAATGGCCC CAAAGGGCAG TTTTTACNGG	360
TTTTAAAAAA TTNGGAATTA ATTTTTACCA TGACCATTCT TGGAAATTCC CAGGNAGTTT	420
TTNTGTGTAG GGACCCTTTT TNAAAAATTN CCTCCCGNTT TTTTAAGGGG GAAATTAA	478
(2) INFORMATION FOR SEQ ID NO:1201:	
<ul><li>(i) SEQUENCE CHARACTERISTICS:</li><li>(A) LENGTH: 391 base pairs</li><li>(B) TYPE: nucleic acid</li><li>(C) STRANDEDNESS: double</li></ul>	
(D) TOPOLOGY: linear	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1201:	
CCAAGACAGA CTGCAGGTTA CGGCCTGACA TCAGAGCCAT GGAAAATGGA GAGATAGATC	60
AAGCTAGTGA AAGAAAAAAA ACGACTTGAG GAAAAACAAA GAGCAGCCCG CAAAAACAGG	120
TCCAAGTCAG AAGAGGACTG GNAGGACGAG GTGGTTCCAT CAAGGTCCTA ATCCCTACAA	180
TGGAGCACAG GACTGGATTT ACTCTGGGCA GCTACTGGGA CAGAAATTAC TTCCAATTTG	240
CCTGACATTT ATTTAAAATG CATACAAGTC AGGGTGTTTG GCTAATCTAC AATAAGTCTT	300
TAAANCCCAT GTTTTTAAAA TTTTTTTCC CCTGGGTTTC TNACTTANCT TTTTAAAAAA	360
AAATGGGNAA AACCCTCCTG GGGTTAACNG G	391
(2) INFORMATION FOR SEQ ID NO:1202:	
(i) SEQUENCE CHARACTERISTICS:  (A) LENGTH: 441 base pairs  (B) TYPE: pucleic acid	

(C) STRANDEDNESS: double
(D) TOPOLOGY: linear

GGAGAGAATG AATGGCAGTC ATTTTAAAGA TGAAAAGGCT TTGGTGACCA GTC	AAAATTC 120
AGACTTACTG GATGATGAAG AAGTTGAAGA TGAGGTGTTG TTAGATGAGG AGG	ATGAAGA 180
CAATGATATT ACTGGAAAAA CAGGAAAGGA ACCAGTGACA AGTAATTTAC ATG	AAGGAAA 240
CCCTGAGGGA TGACTTATGA AGGAAACCAG TGCCCTGGAG ATGAGTTTGC AAG	ACATTCC 300
CCAGTTGAGG TTTTAAAGGA GGGNAGGATT TTAAAAGTNG GACTTTTCTT GCT	CTTAGGT 360
TCCATNTTAA GGGCANTTTC ACCAGTTTGG CCNTCCAAAT TGAGGGGAAT TTG	GGAGGTT 420
TATTCCATTN TTCTTNAAAG G	441
(2) INFORMATION FOR SEQ ID NO:1203:	
<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 498 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1203:	`: ·
GGCACGAGGT GGAATAGAGA AACTTAATGA GTGTTTAAAC CAAGCTTTTC AAG	SAGACCGT 60
TTCCCAGGCA CATACATGCG GGGCGTCTCA ACATCCTGTC ACCATTGTNC TTC	SAACTCAC 120
TTCTTCAACA CCACTCATGT GGACTCTATG GAAATAGGTG ACATAAGCCA GAC	CTCTTCCT 180
CATAATGCCT GTCCACAGTT TTTTGCTAAT ACATAATAAC TGATTAAGAA AGA	ACAATGTT 240
TCCAGTAAGG ACAGTGGTGA CATATTTAAG TAGATGAGTA ATGAACCTTG GCT	TTGTAAGT 300
GTCCTTTCTG CAGAATAGGG AGGGAAGAGT TAAAGCTGGT ATCCCCTCGG GCT	CTTAGGC 360
ACCTGTTAAA CCCCAGGCCC AGGGGATCCT TCCGTCCTGT CCCTGTGAGT GCT	TTCAGCCC 420
AGGGACACAC AGAAGGGCA TGTTTCATGG GTCCGAAGGA CCCGTTTAGT TTC	CATGTGGA 480
TTTCCAGACC TGATTCGA	498
(2) INFORMATION FOR SEQ ID NO:1204:	
<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 304 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1204:	

AGAATATTGG TAATATATTG CAGAAAGTTG TGTGCAGAAA ATTGACAATN ATTTGGCCTT 60
TAGTAAAAAC TTTTACTCTT TCAAAAGTTA CTATTTAAA GCATGGTATT ATTTTGCATT 120

ACAAAATGGT TTTATTTTCT TAGTGGTGAG ATAGAGGAGA AATTTGTACC T	rGCTCTTCTG 180	}
AATCTGAAAA GTTGTTTTCA ACTTTTACAT TACTTCCTTG TTTCTTTCTA T	TTGGTTGAGT 240	)
GTAANTGAAA AGTTTCCCAT TNACCATGCT GGCTTTGNAA ATTGAGACCN N	NATGTTGAAA 300	)
ATTT	304	Ļ
(2) INFORMATION FOR SEQ ID NO:1205:		
<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 395 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>		
	·	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1205:		
GGNANAGGCG CGGCAAAGGG CCTCGTNAGT NGTGTTCAGN TTGCCCCTGG	GGATCTNCTG 60	С
TGTCTTCAGC GCCCAGCCCT GCGTGTTCCT GGTGAAGCAG TTTCACATCA	GTCTCTCCAG 120	0
ATAGCACTAC GAATGTATTC CGCTTCTGAA ACAGGATCCC ATGCCAGTTT	GGAACACTTT 180	0
CCCAATCTTA GTTCAGAAGT GGCTTGTATG ACCTGTTCAG GGGTCACATG	AAGGTCTCGC 240	0
CATTTCCTGG GTCCTCTTCA GAGGCCNGAA AGTTCTAAAG TTCTGAGTCC	CCGGCCAGGG 300	0
TCCTTTAANA CCTTGGNCAC AGAGGCTGTT TGGGCAATGT AGAGGCTGNC	TCTGTGTGTG 360	0
GTTTAAGTAA ACTGGAATGN GGACATGACG NGTTG	39	5
(2) INFORMATION FOR SEQ ID NO:1206:		
<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 121 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>		
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1206:		
GGCACGAGNG AAAAGTCGGT GCGCTGGTCC TGCCTCATTA ATCCAGGGGT	TGCAGTGCTT 6	0
TGAAGCCCAG TCGTTGTTGG TTTTTNTGAT GNAAATACCT GTNAAGATGA	GTGGNCGGGG 12	0
N	12	1
(2) INFORMATION FOR SEQ ID NO:1207:		
(i) SEQUENCE CHARACTERISTICS:  (A) LENGTH: 301 base pairs		

(B) TYPE: nucleic acid(C) STRANDEDNESS: double(D) TOPOLOGY: linear

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1	207:	
GCACGAGGT TGTGTGGTGT TTTTGGACAG ACGTTATTTT	CTTTTTTGTA GAGTAGCCTG	60
TTTGTAAGTT TAAAGTGTTT ATTTTTCTCC TTTGCAGCAT	CATGGCCAGC CCAAGAACCA	120
GGAAGGTTCT TAAAGAAGTC AGGGTGCAGG ATGAGAACAA	CGTTTGTTTT GAGTGTGGCC	180
CGTTCAATCC TCAGTGGGTC AGTGTGACCT ACGGCATCTG	GNATCTGCCT GGAGTGCTCC	240
GGGNGNACAC CGCGGGTTTG GGGTTCACCT NCAGGTNCAG	TGTCCTGCCG CTCTGGGTTC	300
<b>r</b>		301
(2) INFORMATION FOR SEQ ID NO:1208:		
<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 482 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>		

### (xi) SEQUENCE DESCRIPTION: SEQ ID NO:1208:

TGGCAAGCTG GGGCCCGGCC TGCGGGTGCT GGACGCGTCC TGGTACTCAC CAGGCACCCA 60 AAAGGCTCGN AAGAGTACCT CGAGCGCNAC GTACCCGGCG CCTCTTTCTT TAANATAGAA 120 GAGTGCCGGG ACACGGCGTC GCCCTACGAG AATGATGCTG CCCAGCAAGG CTGGNCTTCG 180 CCGAGTATGT GGGCCGCCTG GGNATNCAGC AACCACACGC ACGNGTGGTG TATGAATGGT 240 GAAACACCTG GGNCAGCTTC TATGCTCCCC GGGTTTGGTG GATGTTNCCG TGTGTTTNGC 300 CACCGCACCG TTTTCAGTGC TTCAATGGTG GNTTTCCGGA ACTGGTTGAA GGAGGGCCAC 360 CCGTGAACNT CCNAGCCTTC AGNNCCAGAA CCGGCCTTTT TCAAAGCCAC ATGGGACCGT 420 NNCTGNTTCA AAACNTAGAG TCAGTGTTGG AGNAACTTGA ATTTAAGAGG TTTCCACTGG 480 482 TG

#### (2) INFORMATION FOR SEQ ID NO:1209:

- (i) SEQUENCE CHARACTERISTICS:
  - (A) LENGTH: 353 base pairs
  - (B) TYPE: nucleic acid
  - (C) STRANDEDNESS: double
  - (D) TOPOLOGY: linear

# (xi) SEQUENCE DESCRIPTION: SEQ ID NO:1209:

AGNCAAGTTG CCCATCCTNG GGTTGGGAGC TGGTNGTCCC	CTCCAGGNCA	GGTGNNCTGA	120
GGACGTGAAA GATGGCCATT GNACGTCGGG TACCCCCACA	TCGACTGTGC	CCCATGTNTA	180
CCAGNTTGAG CNTGAGGTGG GGGTGGCCAT TTCAGGTGCA	GCTCAGGGNG	NAGGTGGTTG	240
AAGNGTGAGG TNGCTTCTTC ATCGTCCAGC AAGNTGTGGT	TGCACGTTAC	CNTGGAGAAA	300
GGGCCTGGGT TGAAAAGGAG CCTTGCCCAA GAGNACCANT	TCANGGGACC	CTG	353
(2) INFORMATION FOR SEQ ID NO:1210:			
<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 73 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>			
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:12	210:		
GGCANAGGTT NTCCCTTCGC GNCCCAAACC ACATCCTGGA	GCGCACTCTC	CAGCGTGGCT	60
GGNAGCGNGG ACT			73
(2) INFORMATION FOR SEQ ID NO:1211:			
<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 140 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>			
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1	211:		
TCCAGCCTNA CTTCCTGGGC ATAGAGTCCT ATGGNATGCA	CGAAACTACC	TTCAACTCCA	60
TCATNAAGTG TGNACGTGGT ACATCCGTAA ANGACCTATA	CGCCGTCACA	GTGCTGTCTG	120
GNGGCACCAC CATGTACCNT			140
(2) INFORMATION FOR SEQ ID NO:1212:			
<ul> <li>(i) SEQUENCE CHARACTERISTICS:         <ul> <li>(A) LENGTH: 471 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul> </li> <li>(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1</li> </ul>	212.	·	
		CACCACACAA	60
AAAAGAAAGT TTCCCCAGAC AAGATGNTTN AANTGCAAGC	•		
AAGCACTTGA AACAAAGCTC GACATGGAAG AAGAAGAAAG	AAACAAGGCT	AGAGCTGATT	120

TAGAGAAACG GGAAAAAGAT CTTCTTAAAG CCCAACANGA GCATCANTCT TTC	GCTGGAAA 180
AATTATCTGC CCTGGAAAAG AAGGTAATTT TTGGTGGGGT TGACTTGTTG GCC	CAAAGCTG 240
AGGAACANGA GNANCTTCTT GAAGAATCTA NCATGGAACT GGTGGNAAGG AGG	GAAAAGNG 300
CAGNGCAACT TNGCAGAGAT CTTGAGGAAA AGAGCAAGNN CGCTTGGATA TTC	GANGNAAA 360
TATACCCGTT TGCAAGTGGT AGCNCCGGGN AAGTCCCAGA AGTTAAGGAA GTT	TTGGCCCT 420
GCTGATGGTG CAAATCCNGG TNGGTTGTCT CCACCAGACC TTCGGGGNAT T	471
(2) INFORMATION FOR SEQ ID NO:1213:	,
<ul><li>(i) SEQUENCE CHARACTERISTICS:</li><li>(A) LENGTH: 58 base pairs</li><li>(B) TYPE: nucleic acid</li><li>(C) STRANDEDNESS: double</li><li>(D) TOPOLOGY: linear</li></ul>	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1213:	:
TTTTTTTTT TTTTTTTTT TTTTTTTTT TTTTTTTT	TTTNNC 58
(2) INFORMATION FOR SEQ ID NO:1214:	
<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 277 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1214:	
GGCAGAGCGG CACGAGNCCT TGCACCTGGN CTTCGCGTCT CAAAGGTGGG ATG	GCAGATCT 60
TCGTGAAAGA CCCTGACTGG TAAGACCATC ACTCTCGAGG TGGAGCCAGT GT	NCACCATT 120
GAGAATGTCA AGGCAAAGTA TCCAAGGNCA AGGGAAGGGC ATCCCTCCTG ATC	CCAGGCAG 180
AGGTTGATNC TTTGGCTGGG NAAACACTGT GTANGATGGG ACGCACGGTG TC	TTGACTAA 240
CAACATCCAG TAAAGAGTTN CACNCTGGCA CCTGGTG	277
(2) INFORMATION FOR SEQ ID NO:1215:	
<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 153 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1215:

NTGCGGGGAC TNGCTGGAGC AGCGGTAGGG GGAGCNTGTA GANCCGCTGC GTCCCTTCAC	60
AGTCCGGAGC CCGGCCGTGC GCTGNCCGTA GGGAACATGA CACTTTTCCA TTCCCGAAAC	120
CGANTCCCGC AGGGGGTACA GCGNNNGTCT GCC	153
(2) INFORMATION FOR SEQ ID NO:1216:	
<ul><li>(i) SEQUENCE CHARACTERISTICS:</li><li>(A) LENGTH: 270 base pairs</li><li>(B) TYPE: nucleic acid</li></ul>	
(C) STRANDEDNESS: double (D) TOPOLOGY: linear	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1216:	
GANNNCATCA ACAAGGAAAA TANCACTAAG TTGAACATTG TAAACCTCCA GATCACGGAA	60
GACCCTGGCG AGTATGAATG TAATGCCACC AACGNCATTG GNTCCCCTCT TTTGTAACTG	120
TCCTNAGGGT GTGGNGGCAC CTGGGCNNNA CTNTGGCNTT NNTTGGGAAT TCTGGCTGAA	180
TTATNATNNT TGTGGTGATC ATTGTTGTGT ATGANAAGAG GAAGAGGNCA GATGAGGTTC	240
TGAACGATGA TGAACCAGTT GGACCAATGG	270
(2) INFORMATION FOR SEQ ID NO:1217:	
<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 387 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1217:	
GGCCTTTAAG GCTTNACCCA ACGTNATCAA TCACCGATTT CCACGGTAGC AGACGCGCAT	60
CCTGAAACAT CATTCGCTTG TTTTCCTGAN TTTAAGCCAG CGGTGTGGTG CCCGCAAACA	120
CATCGCCTGN GGTTGGCGTT TCCANACCTG CCAGCAGGCG NCACAGGGGT ACTTTTGCCA	180
CCACCGCTGC GGCCCACCAC CGNCACAAAC TGACCTGCCG GAATATGTAA AATCCAGTTG	240
GTTCCAGGGA CGATATTTTC CGCGTNAATG TTTGCTTTAC TGCATTGAGC AACAATGGTT	300
TGNCCCTGGT TTCAAACGGG GCAGTTATTN CATACCGTGG GCCTCCTTTC AAATGATTAA	360
GCCGGGTTTC CCAACGGNAA CCCNNGG	387
(2) INFORMATION FOR SEQ ID NO:1218:	
<ul><li>(i) SEQUENCE CHARACTERISTICS:</li><li>(A) LENGTH: 104 base pairs</li><li>(B) TYPE: nucleic acid</li></ul>	

(C) STRANDEDNESS: double
(D) TOPOLOGY: linear

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1218:	
CCAACCTACG GTTGNTTCGT NCTTTAACCC CTACACGTTT CCCATTATGC CGTTGGNGAT	60
GAGTGGGANG ATTGTTTGNT TCGGGTTTAA ACTGTTGTGC CCGT	104
(2) INFORMATION FOR SEQ ID NO:1219:	
<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 336 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1219:	
AGGGAGAAAN TGGCCAGATG ATGAGCTGCA CATGTTTTGG GAAACGGAAA AGGAGAATTC	60
AAGTTTGANC CCTCATGAAG GCAACGTNTT ACGATGATGG GAAAGACATA CCACGTAGGA	120
GAANCAGTGG CAGAAGGNAA TATCTCGGTG CCATTTGCTC CTGCACATGC TTTGGAAGGG	180
CAGCGGGGCT GGCGCTGTGA ACAACTGCCG CANACCTGGG GGGTGAAACC CAGTCCCGAA	240
GGCACTACTG GGCCATCCCT ACAACCAGTA TTCTTCAGAG GNTACCATCA GGGGACCAAA	300
CACTAATGTT NAATTNNCCC CATTNGAGTG CTTTCA	336
(2) INFORMATION FOR SEQ ID NO:1220:	
<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 429 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1220:	
GGCACGAGAG AAAACTCATT CTGGAGAAAA ACCCTATGAG TGTAGTAAGT GTAAGAAATC	60
TTTTGTGCAC CTGTCTTCCC TGATTGANCA TTGGAGAATT CACACTGGAG AAAAACCATA	120
TCAATGTAAG GNCTGCAAAA AGACCTTTTG TCGTGTGATG CAGTTCACTC TGCACAGGAG	180
AATTCATACT GGTGAAAAAC CCTATGAATG CAAGGAATGT GGAAAGTCCT TCAGCGCCCA	240
TTCTTCTCTT GTTACTCATA AGAGAACACA CAGTGGGGGA AAAACCGTTT TAAATTGCAA	300
GGAATNTGGG NAAAGCCTTT CAGTGGCGGA CTTTTTCCCT TGTTTACTCC NTANGGGGAC	360
ACACATTGGG GNGGAACCCT TTACNTGGCC TGCCCTNGGG GAGGGCCTTT AATATTTCCT	420

CCCCATTTT	429
(2) INFORMATION FOR SEQ ID NO:1221:	
<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 422 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1221:	•
GGCACGAGCC ATAGTGGTNA TCAGTGCCTC TNATGATGAC GTGGGTGAGA ATGCTCGTAT	60
CACCTATCTC CTGGAGGACA ACCTNCCCCA NTTCCGCATT NANGCAGACT CAGGNGCCAT	120
TACATTACAG GCCCCATTAG ACTATNAGGA CCAGGTNACC TACACCCTGG NTATCACAGN	180
TCGGGNCAAT GGNATCNCAC AGAAGGCAGA CACTACTTAT NTGGAGGTGN TGNTCAATNA	240
CGTGANTGGC AATGCTCCAC AATTTNTGGC CTNCCACTAT ACAGGGNTGG TNTCTNAGNG	300
NTGCCCCANC TTTCACCAGT GTCCTTCAGT TCTCAGCCAC TTGCCNGGCT GCTNATGCCA	360
ATGAGTCCGT GTNCAGTACA CTNTCCAGAA TGGTGTATAG ATTGGGTGTG GTAGGTNTTT	420
AA	422
(2) INFORMATION FOR SEQ ID NO:1222:	
<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 416 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	,
( ) GROUPHOR DECORADETON, CEO ID NO. 1222.	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1222:	60
GGCAGAGTGA AGCCTCCTGA CCTCCAATAC GGTGCACTCT GGTGAGGGAC AGTGGGTGGG	
GTGGGCCAAG GAGGGGCCAC AGGGTGGGGG CAGATGCTGG AGTGTCCCTC ATATGCCTGC	120
AGACACCCGG GAACTACATC TGTGAAGTTC TGCGCCCGGT CTTTCCGCAC TAGCAGCAAC	180
CTTGTCATCC ACAGACGTAT CCACACTGGA GAAAAACCCC TGCAGTGTGA GATATGCGGG	240
TTTTACCTGC CGCCAGAAGG TTTCCCTGGA ACTGGGCACC AGGGCAAGNT TGCAGAGACG	300
GTGGGTTGCC TTGCGNTTTC CCCTGTGAAT TTTTNCGGGN AAGGCTTTTN AGGAAGNCCA	360
GACATTTTTT GCAGCCCACC TTGGCAAAAT TTAACCCNGC CTGTTTTTAG GCCCTT	416
(2) INFORMATION FOR SEQ ID NO:1223:	

.. (i) SEQUENCE CHARACTERISTICS:

(A) LENGTH: 86 base pairs

(B) TYPE: nucleic acid (C) STRANDEDNESS: double (D) TOPOLOGY: linear	
	•
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1223:	•
GGCACGAGGN TGGCTTTTGC CTGTAGTCCC AGCTACTCGG GAGGCTGAAT GAGGTGGAAA	60
AATGGCTTTT TTTTTTTTT NNNGNG	86
(2) INFORMATION FOR SEQ ID NO:1224:	
<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 349 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
	,
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1224:	
GGCACGAGAA ATTATGGATT CTTTCAAAGA GAAAATGGAG AATATTGACT ACAGCAACGA	60
GGAGCACATG ACCCTGCTGA AGATGATTTT AATAAAATGC TGTGATATCT CTAACGAGGT	120
CCGTCCAATG GAAGTCGCAG AGCCTTGGGT GGACTGTTTA TTAGAGGAAT ATTTTATGCA	180
GAGCGACCGT GNAGAAGTCA GAAGGCCTTC CTGTGGCACC GTTCATGGGA CCGNGGACAN	240
AGTGGACCAG GCCACAGCCC AGATTGGGTT CCATCCAAGT TTGTGCCTGN TCCCAATGTT	300
TGAAACAGTG ACCAAGCTCT TTCCCCATGG TTGNNGGNGG TTCATGNTG	349
(2) INFORMATION FOR SEQ ID NO:1225:	
<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 493 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1225:	
GGCAGCCGAG GTGGCAATGC TACACCTCAT TTTTTATGCG GGTTTGCCAG GGCAAGCCCG	໌ 60
GCACTCGACC GATAGTCAAT GAGGATTATG TCAGCCACCA GCGCACGCNC ACCACCAGAA	120
CCACGACCAG AATCAACCAG ACCCAGTGCT TCAAATGCTG GTCGAGATTG TGCCACCACG	180
GNGCAATCAC CTGACCACCA GCGTAACCAA TAGTGGTAAA AATCAACGCC CAGGCAAATG	240
TGCCGAGNAT TTTCAGCGGC AGAANATTTT CGGCGGCACT GGTTGGNCAC CATTCAGCGT	300
TGGGCCATTC ACCCGAAAGC CTNACTNAAN GGGGTTACCA TGACAAACAG TTACGGNTGG	360

NGTTGGNTNA GTTTTTGNGN CCCGTTCATT TTGTGCNGNT GTTTTGGGGA AACGGNGTTA	420
ACATGCCTTG TTTCAGTTAG TTAGATTCTT GCCGTNATNT TTGTTCAGGC GTTGNACGGT	480
CNGGCCAGGT TAT	493
(2) INFORMATION FOR SEQ ID NO:1226:	•
<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 367 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	;
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1226:	
GGCACGAGCC ACAATGGCTG AGCACTTCCT GACGTTGCTG GTAGTGCCTG CCATCAAGAA	60
AGATTATGGT TCCCAGGAAG ACTTCACTCA AGTNTGGAAC ACACCATGAA AGGGCTCAAG	120,
TGCTGTGGCT TCACCAACTA TACGGATTTT AAGGACTCAC CCTACTTCAA AGAGAACAGT	180
GCCTTTCCCC CATTCTGTTG CAATGACAAC GTCACCAACA CAGCCAATGA AAACCTGCAC	240
CAAGCAAAAG GCTCACGAAC CAAAAAGTAG AGGGTTGCTT CCAATCAGCT TTTGTGTGAC	300
ATCCGAACTA ATGCATTCAC CGTGGGTGGT GTGGCAGCTG GNATTGGGGG CNTGNGNTGG	360
NTGCCTG	367
(2) INFORMATION FOR SEQ ID NO:1227:	
<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 222 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1227:	
GGCANAGAGT TAACGGAGGC AAGTTGGATG TCGGGAATGC TGGGGGGAAN TTTTTGGAAG	60
AGAACAGGAG CCTGGAAGGC TGAACCTGCA GAAGCTAAAG NACGAGCTGG CCAGCACTAT	120
GNCAAAAACT AGAGAAAGCT GAAAACCAGG TTCTNGGCCA TGCGGGAACA GTTCTNAGAG	180
GCCTCACCAA GGNGTTACGN ACCGATTTNC TGGAGGAGGC AC	222
(2) INFORMATION FOR SEQ ID NO:1228:	
<ul><li>(i) SEQUENCE CHARACTERISTICS:</li><li>(A) LENGTH: 386 base pairs</li><li>(B) TYPE: nucleic acid</li><li>(C) STRANDEDNESS: double</li><li>(D) TOPOLOGY: linear</li></ul>	

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1228:	
GGCAGAGCTG CAGGGCCCCC AGGAGCATCC CTGNTCACCC CTCTGCNCCC TCCCCACCAG	60
AGCTGAAGAT CCCTGAAAAC GCCAACGTCT TCTATGCCAT GAACTCTACT GCCAACTATG	120
AACTTTGTCC TGAAGNAAGC GGNCCTTCAC CAAGGGAGTG AAAGGTCAAG CCACGGTAGG	180
CCAGCTTCCA CCCTCCCTTC GCATGGAAGC AGAAAGGGAC TCAAGATTGC CAAGGGCATC	240
TTCCTGAGGG GCATCCTCCC AGGGTCTGGC TGGCTGGTTA GCCAAGCACT TATGGGACCA	300
GAGTGGGCCC AGGCCAGTTG GGGGGCCTTT CTTCCCAACT GNNCAGCCCA GGGTACCCCA	360
GATTTCANTT TCANCCCGGA ANTTTT	386
(2) INFORMATION FOR SEQ ID NO:1229:	
<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 135 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1229:	÷
TAACGGCGTC GAAACCTATT TTNAAGTCTA TGTTAACGGT CAGTATGTGG GTTTCAGCAA	60
GGGCAGTCGC CTGACCGCAG AGNTTGACAT CAGCGCGATG GTTAAAACCG GCGACAACCT	120
GTTGTGTGT CGCGT	135
(2) INFORMATION FOR SEQ ID NO:1230:	
<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 66 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1230:	
GGCAGAGCGA AGTTTTTTT TTTTTTTNA GGNGGTTTTT ATTNAAAGTN CTTNTTTTTT	60
TGGGGT	66
(2) INFORMATION FOR SEQ ID NO:1231:	
<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 407 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1231:	
GGCAGAGNAA CGAACATTTA ATCTGCTGAT TGGCAAGAGA CAAAGACCAA TCCATTTAAG	60
TTTTGATATT GAATGCATTT NACCCTACAC TGGCTCCAGC CACAGGGAAC TCCTGTTGTG	120
GGGGGACTAA CCTATCGAGA AAGGCATGTA TATTGCTGAG GAAATACACA ATACAGGGTT	180
GCTATCAGCA CTGGGATCTT GTTGGAAGTC CAATCCTCAG TTGGCCACCT CAGAGGAAGA	240
GGCGAAGTCT TACAGNTAAC CTGGNCAGTA GATGTGNATT GCTTCCAAGN TTTGGTCCAG	300
ACAAGNGAAG GGGGGGCATA TTTGTTCTTT GGGCCAACTT NCCTACTTCC CAGTTTCACC	360
AGTTGGATTC AGAAAATTCA AGCACGTGTG NAGAANTTTN GGNGACA	407
(2) INFORMATION FOR SEQ ID NO:1232:	4
(i) SEQUENCE CHARACTERISTICS:  (A) LENGTH: 491 base pairs	
(B) TYPE: nucleic acid (C) STRANDEDNESS: double	
(D) TOPOLOGY: linear	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1232:	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1232: GGCAGAGGNA CGAACTCATG NAAAGATACT GTCCTAATTC CGTATTGGTC ATCATTGATG	60
	60 120
GGCAGAGGNA CGAACTCATG NAAAGATACT GTCCTAATTC CGTATTGGTC ATCATTGATG	
GGCAGAGGNA CGAACTCATG NAAAGATACT GTCCTAATTC CGTATTGGTC ATCATTGATG TGAAAGCCGN NGAACCTAGG GCTGCCTACA GAAGCGTACA TTTCAGTGGN AGNAAGTCCA	120
GGCAGAGGNA CGAACTCATG NAAAGATACT GTCCTAATTC CGTATTGGTC ATCATTGATG TGAAAGCCGN NGAACCTAGG GCTGCCTACA GAAGCGTACA TTTCAGTGGN AGNAAGTCCA TGNATGATGG GAACTCCAAC CTCGAAAACA TTTGAACACG TGAACCAGTG AAATTGGAGC	120 180
GGCAGAGGNA CGAACTCATG NAAAGATACT GTCCTAATTC CGTATTGGTC ATCATTGATG TGAAAGCCGN NGAACCTAGG GCTGCCTACA GAAGCGTACA TTTCAGTGGN AGNAAGTCCA TGNATGATGG GAACTCCAAC CTCGAAAACA TTTGAACACG TGAACCAGTG AAATTGGAGC AGAGGAAGCT GAGGAAAGTT GGAGTTGNAC ACTTGTTACG GGATATCAAA GACACGACGG	120 180 240
GGCAGAGGNA CGAACTCATG NAAAGATACT GTCCTAATTC CGTATTGGTC ATCATTGATG TGAAAGCCGN NGAACCTAGG GCTGCCTACA GAAGCGTACA TTTCAGTGGN AGNAAGTCCA TGNATGATGG GAACTCCAAC CTCGAAAACA TTTGAACACG TGAACCAGTG AAATTGGAGC AGAGGAAGCT GAGGAAAGTT GGAGTTGNAC ACTTGTTACG GGATATCAAA GACACGACGG TGGGGCACTT NGTCCCAGCG GATCACAAAC CAGGTCCATG GTTTNAAGG GGCNTGAAAC	120 180 240 300
GGCAGAGGNA CGAACTCATG NAAAGATACT GTCCTAATTC CGTATTGGTC ATCATTGATG TGAAAGCCGN NGAACCTAGG GCTGCCTACA GAAGCGTACA TTTCAGTGGN AGNAAGTCCA TGNATGATGG GAACTCCAAC CTCGAAAACA TTTGAACACG TGAACCAGTG AAATTGGAGC AGAGGAAGCT GAGGAAAGTT GGAGTTGNAC ACTTGTTACG GGATATCAAA GACACGACGG TGGGGCACTT NGTCCCAGCG GATCACAAAC CAGGTCCATG GTTTTNAAGG GGCNTGAAAC TTCCAAGCTT CTGGGTNTTC AGGNGCTACC TGGNAAAAAG TCGCCACAGG CAAGNTGNCC	120 180 240 300 360
GGCAGAGGNA CGAACTCATG NAAAGATACT GTCCTAATTC CGTATTGGTC ATCATTGATG TGAAAGCCGN NGAACCTAGG GCTGCCTACA GAAGCGTACA TTTCAGTGGN AGNAAGTCCA TGNATGATGG GAACTCCAAC CTCGAAAACA TTTGAACACG TGAACCAGTG AAATTGGAGC AGAGGAAGCT GAGGAAAGTT GGAGTTGNAC ACTTGTTACG GGATATCAAA GACACGACGG TGGGGCACTT NGTCCCAGCG GATCACAAAC CAGGTCCATG GTTTTNAAGG GGCNTGAAAC TTCCAAGCTT CTGGGTNTTC AGGNGCTACC TGGNAAAAAG TCGCCACAGG CAAGNTGNCC CTTCAACCAC CAGTTCCNTT TACCAGTTGC AGGACGTTTT TCAACCTGTT GCCCAATGTT	120 180 240 300 360 420
GGCAGAGGNA CGAACTCATG NAAAGATACT GTCCTAATTC CGTATTGGTC ATCATTGATG TGAAAGCCGN NGAACCTAGG GCTGCCTACA GAAGCGTACA TTTCAGTGGN AGNAAGTCCA TGNATGATGG GAACTCCAAC CTCGAAAACA TTTGAACACG TGAACCAGTG AAATTGGAGC AGAGGAAGCT GAGGAAAGTT GGAGTTGNAC ACTTGTTACG GGATATCAAA GACACGACGG TGGGGCACTT NGTCCCAGCG GATCACAAAC CAGGTCCATG GTTTTNAAGG GGCNTGAAAC TTCCAAGCTT CTGGGTNTTC AGGNGCTACC TGGNAAAAAG TCGCCACAGG CAAGNTGNCC CTTCAACCAC CAGTTCCNTT TACCAGTTGC AGGACGTTTT TCAACCTGTT GCCCAATGTT CAGCTGCAGG GGTTCNTCAA GGCTTTTACC TGANGGCCAT GGCCATTGTG GTAGTTTATT	120 180 240 300 360 420 480

(B) TYPE: nucleic acid(C) STRANDEDNESS: double(D) TOPOLOGY: linear

⁽xi) SEQUENCE DESCRIPTION: SEQ ID NO:1233:

CAGGCCTTTG CGCCTTCATA CTGCACCGAG TTTTGCCCAT CAATGGCTTT NACCACGTCT	60
TGGTAAGTTC ATACGTNAGA ACCCAAGCAT CGATCTGCGA ACTTTAAGCC AGCACAGAAT	120
ATGCACGTTT TGAACAGGGA TGATTTTAAA TCTCGATATA GTCTACGGTG NAACCCCGTC	180
CATCACCCTA TGAGAAAGAT CCCGCTTGCT GTTGAAGAAC TTACGCCACT GTNTTCTCCC	240
CAACTGGGCT GAGCGGCTAA AGAAACCAGA GGATCTCTAT GCGTTGGACA TTGGATTCAG	300
TGCGGTGTTG CAGTTTGTTA CCCNTNGGAA AAGGNNGTTT TAGGGGGGGNT AAAAT	355
(2) INFORMATION FOR SEQ ID NO:1234:	
<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 228 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1234:	
GGCANAGNNG GAGTAGGAAA ATCTTGCTTG CTTCATCAAT TTACAGAAAA AAAATTTATG	60
GCTTNTTGTC CTCACACANT TGGTGTTGGT TTTGGTACAA GAATAATCGA AGTTAGTGGC	120
CAAAAANTAA AACTGCAGAT TTGGGNTACG GCAGGNNCAG GAGCGATTTA GGGCTGTTAC	180
ACGGGGCTAC TACAGAGGTA GCTATCGGGG AGCCCTTNAT GGTNCTAT	228
(2) INFORMATION FOR SEQ ID NO:1235:	
<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 167 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1235:	
AGACTGCCCT CATCCACGAT GGCCTAGCAC GTGGNAATTC NCGAATTGCC AANGCCTTAG	60
ACAAGCGCCA AGCCCATCTT TGTGTGGCTT GCATCCAACT NTGGTGTGCC TATGGTATGG	120
CAAGTTGGTG GTGGCCCTTT GTTNCTNNNC ACCAAATCAA CCTAATT	167
(2) INFORMATION FOR SEQ ID NO:1236:	
<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 491 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	

## (xi) SEQUENCE DESCRIPTION: SEQ ID NO:1236: 60 CCAGGNTTGC TGATTTGGCG AACGGTAGCA ATGATCATCA ATGAAGCCCT TGAATGCGCT TCAAAAAGGC GTGGCCTCTG AACAGGATAT CGATACCGNC ATGGTNCTTG GGGTGAATTA 120 180 TCCATATGGC CCACTTGCCT GGGGAGCGCA ACTTGGCTGG CAGCGNAATA TTAAGGCTCC TTGAAAATCT ACAGCATCAC TATGGCGAGA AACGCTATCG CCCATGTTCA TTGCTGCGCC 240 AACGGGGTTT NCTGGGAGAG CGGTTATGAA GTCATAAGGC CTGGCAAAAT GCCCATGCAA 300 TGTATGAGAA CGATGCCTGC GCCAAAGNTT TGGCNGGACC ATTATCTTCA ATGGATGAAG 360 420 GCTTTGCTGT TAGTGGACCN GNACCTTCAT TGCACAATGC TTAACGGTTC NTCAAGTTGC CAGGGGGCA GTATTTTCA TGGGTGATAN NGCTTTGCNA CGCTGAATAG CCAGGGTTGC 480 491 ACNGTACCAT T

## (2) INFORMATION FOR SEQ ID NO:1237:

- (i) SEQUENCE CHARACTERISTICS:
  - (A) LENGTH: 425 base pairs
  - (B) TYPE: nucleic acid
  - (C) STRANDEDNESS: double
  - (D) TOPOLOGY: linear

#### (xi) SEQUENCE DESCRIPTION: SEQ ID NO:1237:

60 AACCACTGGT ATCACATGGN CATGAACTAC CGCGGGATGA TCANTATGCT GATCTNCTGC GGTTGTTTCG GGCAAAGCGG TGGCGGCTGG GCACACTATG TCGGCCNGGN AAAAACTGCG 120 CCCCACAAAC CGGCTGGTTG CCACTGGCCT TTGCGCCTCG ANTGGNAACC GACCACCGCG 180 CCAAATGAAC AGCACCTCGT TTTTCTACAA TTCATTCCAG CCAATGGCGC TTATGAAAAA 240 GTCTCTGCTC CAGGGAGTTN ACTTTCACCG CTCGCCGATG CCATAAAGTT ACAGCGGTCA 300 TCTGATTGAT TTCAACGTTC GNGCCCGAGC TATTGGGCCTT GGCTANCTTT TTGNGCCNTG 360 ATTGGGGGGT TAACCCGTTC GGNATTNAAA GTTGAAGCCG ACAAGGCCGG ATTTTTCCCC 420 425 CACAG

### (2) INFORMATION FOR SEQ ID NO:1238:

- (i) SEQUENCE CHARACTERISTICS:
  - (A) LENGTH: 473 base pairs
  - '(B) TYPE: nucleic acid
  - (C) STRANDEDNESS: double
  - (D) TOPOLOGY: linear
- (xi) SEQUENCE DESCRIPTION: SEQ ID NO:1238:

GGCANAGGTG A	ACGTGCGNCC	AGTACACAGC	CCTGAGTTGG	GATGTTGAAT	TTNTCGATCA	60
CGCCATAGAT (	GGTATCCAAC	ACGCGGCTTA	AGTTTTCCAC	GTCGTCAGTC	ACCGGGTTAN	120
CGCCGATCAC (	CGCATCGCCC	ACCCCGAAGG	AAAGCCCTTC	GTAGATTTGC	GCGGCGATAC	180
TTTGCACGTC (	GTCACGGGTG	TCATTTGGCT	GCAAACGGGC	GCTAAAGGTG	CCCGAAATAC	240
CGATGGTGGT A	ATTGGCCTTT	TTGGATTACC	GGCATTTTCT	TCGCGCCGTA	GGATTCAGGT	300
CCGCGTTGGG A	AGCAAAATCT	TTCGTTANCG	CCGGGGACCA	TTTCCGAGGT	TCANCCCCTT	360
TGCGGGTNAA A	AGGCAATGTC	GTTCCACGTT	GGTTTCANCG	TTCAGCAACA	TATTNAAGGA	420
TTCGTNGATG (	CTTCCATTTT	TAANCTGGTT	TAAGGCCTTT	GTTAAAANGG	TCC	473
(2) INFORMA	TION FOR SE	EQ ID NO:123	39:			
(1	A) LENGTH: B) TYPE: nu	RACTERISTICS 328 base particle acid	airs			

- (C) STRANDEDNESS: double
- (D) TOPOLOGY: linear

### (xi) SEQUENCE DESCRIPTION: SEQ ID NO:1239:

GGCANAGGNN NAAATGGATT GATTATGTCA AGGNGCCAGG CATGGTAAGG AGCAAAGAAG 60
GTTCACTCTG GACAGCACTA AGGAACTTTG GTTTAGGAAA GAAGAGCTTA GAGGAACGCA 120
TTCAGGAGGA GGCCCAACAC CTCACTGNAG NCAATAAAAG AGGAGGAACG GNACAGCCTT 180
TTGGACCCTC ATTTCAAGAT CAACAATGCA GTTTCCAATA TGCATTTGCT CCATCACCTT 240
GCGGAGAACG CTTTGAGTAC CAGGATAGTT GGTTTTCAGC CAGCTGCTGN AAGTTNACTG 300
NGATGNAAGT NCACATTACT TTGGGGGG 328

# (2) INFORMATION FOR SEQ ID NO:1240:

- (i) SEQUENCE CHARACTERISTICS:
  - (A) LENGTH: 247 base pairs
  - (B) TYPE: nucleic acid
  - (C) STRANDEDNESS: double
  - (D) TOPOLOGY: linear

#### (xi) SEQUENCE DESCRIPTION: SEQ ID NO:1240:

GGATCCCCCG	GNCNGCAGGA	ATTCGGCACA	GGTCAAAGNC	CACGGCGAGT	ACACGATGGA	60
AGCAAACAAG	GACTANAAGG	ACTATAAGNA	CGATGAGCTG	CCAGCCAAGG	AATGACCCAA	120
ATTCCCCNCT	GCAGCCCGGG	AACACCCCTG	CAGCTGTTTG	AAGGGTCGGA	GGAACCGCCG	180
CAGTAGNNTA	GNACGCCCAA	AGTGGTGGAG	GAGCAGGAGT	GCCANGGNGC	ACTACACCGT	240

GTGCCAT	247
(2) INFORMATION FOR SEQ ID NO:1241:	
<ul><li>(i) SEQUENCE CHARACTERISTICS:</li><li>(A) LENGTH: 283 base pairs</li><li>(B) TYPE: nucleic acid</li><li>(C) STRANDEDNESS: double</li><li>(D) TOPOLOGY: linear</li></ul>	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1241:	
GGCANAGGGA CCTTCCCACC TCAGTCTCCC AAGGTGCAGG GATTATAGGC GTGACATCTN	60
TCTGGCACCA GCCCCAGNAG CTTTTCAATG AATGTGTTCT ATGTGGGAAG TGGGTATGTN	120
GTGGATTTTT GTAAAGCTTA TCCTNTAGAT TTCTTGGAAC CTGNGATGNN ATATCTCTTC	180
TCAGTTTTGG AAAATTCTCA GCCATTATCT CTTTACACAT TTCTTCTGCC ACATTCTTTC	240
TGTTATTNCT CCTTCTGGGG GCTNCAATTT ACANATNACG NTA	283
(2) INFORMATION FOR SEQ ID NO:1242:	
<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 280 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1242:	
AGATGAACGA NCAGACTCAG GCGATGTGCT TTATGGCAGG CGCAAACTCG ATTTTTTACG	60
GTTGCAAACT GCTGNACCAC GCCGAATCCG GAAGAAGATA AAGACCTGCA ACTNTNCCGC	120
AAACTGGGGN TAAATCCGCA GCAAACTGCC GTTNTGGGCA GGGGGATAAC GGAACAACAG	180
CAACGTTTTG GAACAGGCGC TGATGAACCC CGGACACCGA CGGNATTTTT ACAACGCGGC	240
ACATTTATGC NGCTGGGCAA GNNGAAANTT TAAACGGGGG	280
(2) INFORMATION FOR SEQ ID NO:1243:	
<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 103 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1243:

ATAGCTGGTC ATAATTTAG TNAGGCTCGA GGGTTCCATT TTN	103
(2) INFORMATION FOR SEQ ID NO:1244:	
<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 118 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1244:	. •
NATTCTCAAA GGNCTCAAGT TCAACCTCAC GGAGACTTCT TAGGTCAGAA ATTCACCAGA	60
NCTTCCANCA CCTTCCTNCG CCACCCTCAA TTCAGTCCAG GGANTGAGCT CNAGCTGA	118
(2) INFORMATION FOR SEQ ID NO:1245:	
<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 379 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1245:	
TTGGCACCAA AATNCTGCAC CTAACCGTTG NACAGGCACG TGGCTTTAAT GCTGAACACG	60
AATGGAAAAC CNTTTTTTAA TGGTNTGGTT GANTTCATGA CCTCNGGCCC GATANGANGT	120
TTCCGTGNCT GGAAGGTGAA AACGCCGTTN AGCGTNACCG NAATCTGCTG GGCGCAACCA	180
ATCCGGCAAA CGCACTGGCT GGTACTCTGC GCGCTGATTA CGCTGACAGC CTGACCGAAA	240
ACGGTTNCCA CGGTTCTGAT TCCGTCGAAT CTGCCGCTCG GAAATTCGCT TATTTCTTTG	300
GCGAGGCGAA GTGTGCCCGN GGACCCGTTA ATAATTTCGT AATNGCCGNT GCAAAGTNGG	360
TTTCCGTGCG GCCAAATTN	379
(2) INFORMATION FOR SEQ ID NO:1246:	
<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 373 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1246:	
AAAGGAACGA CCTGGCTTNT AAGCAGGACG AAGGGCCCCT AGACGGCAGG CACGGTCCAA	60
AGTCCAGCCC CTTAAACNAG GTGGTGTNTA AAGCCTTTTT CCGCTTCTTC CGTGGAAGAT	120

TGTGGGAACA TGACTCTTTG TTCCTAACGT CGGGCGAGCN TAAGGAGAGA	ACCCTGCAGC	180
GGGAGGCCTT CCGCAAAGCT GTCTCCTCCA ANAGCCTCCG NNACTTCCTG	GAAGGTTTTT	240
CATGGAGGAC TTCAAATGTT TTCGGGGGCT TTCATTCCAG GAGCGGGAAG	TTGCGNCCGG	300
CAGGTATGGC CAAAGGGTCT GTTTTNNAGG TTCCGNAGGN CCCAGAAGTT	ATTTGGGGAA	360
AACAATTTCC CCA	*	373
(2) INFORMATION FOR SEQ ID NO:1247:	,	
<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 386 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>		
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1247:		
TTAATTCANG CGTACCATCG TACCGAAGTA TGCGTCCGGA TCAAAACCAA	AGCAGGCACC	60
GTGTTTGGAA TATTCGTAGC GTTCCAGGCA GGAACTTCCG CNAGCTCCTG	GNATGGNCTT	120
CACTTAGTTT AGCGGCCGTT TCCAGTGAAT AATCCGGTTT CCGGCGGATG	TAACACATTC	180
GGCTGGCGCG CGCTTTCTGG TAGATTCGGG ATTGGGNCGA GTAGCGCAAC	CGAAAGCGCA	240
TCCAGCGGCG TTCATCAACA CCACGGGCAG CAACCGATTT TAGGCAATCC	TGGGCCACNG	300
ACCATGTACG GTTCAGAAAT CCAGCTTTTG TTTGGTCGTT TTCGGTTTTG	CAGGCGGACC	360
NTCCNTCTGG TTTNTTAACG GNTTTC		386
(2) INFORMATION FOR SEQ ID NO:1248:		
<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 428 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>		
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1248:		
ATCTGGNAAG GCGATAAAAA GCCGATGCAG GGGCGGGNAG ATATTCAGGC	TCGTCGACTG	60
AAACTAAAGA NCTGATGCCC GATGTGGAAC TGAATGCAGA AGACGCTGGG	GGAAATGAAA	120
CGGTGACGCG NNACTACGCG GTAGCGTNAG ACTGCGGTGG CGGCACTTTT	AGGCAACANT	180
AACGGCAACC TGGAAACTTT TGATGAATGA CGGGCTGGTG AAGCCGCAAC	CTGATGGGAG	240
AMERICAN CONTROL OF THE PROPERTY OF THE PROPER	G1 mg1 mg1 gg	200

TGCGGGTGAA ACTNCGNCGG CGGGGGAATT CTGAAATAAT TGCCCACGGG GTTGGGCGGN

GCCCCCAAAA TTTTTTGCTT TTCGNTAACT GAGAACNCGT TTTGATTNAA	TNTTAACCCG	420
GAAGGCAA	·	428
(2) INFORMATION FOR SEQ ID NO:1249:		
<ul><li>(i) SEQUENCE CHARACTERISTICS:</li><li>(A) LENGTH: 259 base pairs</li><li>(B) TYPE: nucleic acid</li><li>(C) STRANDEDNESS: double</li><li>(D) TOPOLOGY: linear</li></ul>		
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1249:		
GTTTTNCCTG ACGGGAGANC GACTGCNAGA ATTCAGGAAT ATACAGCAAC	GAAGGCTGAC	60
GTGGATCGAA GGGAATCGCC CCGACCATCA CCGGATTTTT AATGCCCTGC	CCTTTGGCAT	120
CGGCAAACAG CGCGGCGAGT TTTTCCTGGN AGGGAACTGT GCGGGCGAAT	CCCCGTTCCA	180
CAGCCGGTTN CATCGANGCG GGCGAAAACA TCCTGAACGT GCGTGAAAAC	TGCGGGTANN	240
GCGGACATTA ANGGAAAAA	: +	259
(2) INFORMATION FOR SEQ ID NO:1250:		
<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 382 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>		
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1250:	,	
TTTGCGTGCA ANGAAACGTG AACTCGCGAA ANTGGNATAT TTGCTAATCT	ACTCGCCGCA	60
TTTTTAATTG ACGACATAAT CCAGCCATCG CTGATTTGCC CCCCCAGAAG	TGCCGGATCC	120
GAAAAGAAGA ACTGAACTCG TTGTGGAGAA TAACAAAAAT GGTCATCTGG	AGCTTACAGG	180
TGGCCATTCG TGGGNACAGT NATCCCTGAA CAGCCTACAA AACGCAATTG	AAAGAACGCG	240
AAGGGCATCG TGCTTGAACG NGGGCACCGA GGCGTCGCAT TGTTGCAGAT	GGTTCCAACC	300
CTTGAAGTTA AGCGCTTTAT GGGNTAAATT CCCCCGCATA TNCCGGTTTG	TCCAAGTTCA	360
NGGATGGGTT AAGGGCANCN GG	•	382
(2) INFORMATION FOR SEQ ID NO:1251:		
<ul><li>(i) SEQUENCE CHARACTERISTICS:</li><li>(A) LENGTH: 322 base pairs</li><li>(B) TYPE: nucleic acid</li><li>(C) STRANDEDNESS: double</li><li>(D) TOPOLOGY: linear</li></ul>		

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1251:	•
GGGCACAGTG TNCTGAGATC TGAGTCAGTA TCATTNATAT AAATGTCCTT CATAATGTTT	60
AGCACAGTGG GTTATCCGTN ANCCCAAGTA TCCTGTGAAT AGTCAAATTG GCTTTGTCCT	120
GTGTTGGGAA TATGGNGGGA TAGTGAAATC CATGTGGTTA TGTCCTCTTA TGTGCCGGAT	180
GAAAAAAACT GATTAANCAG ATGTGTGTAA TTGCGTTCCC AAGTTCCAGA TAGCAAGGGA	240
TTTATCGAAT CCAGCTCATT TCTGAGTATA CACAGATTCA ANGAAGANTT GAGATATTTA	300
AGAGNTACCN ATATTTGNAA AA	322
(2) INFORMATION FOR SEQ ID NO:1252:	
<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 404 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1252:	
AAGCTTATCG ATACCGTCAA CACCCTGAAA NAAGTGGCTG CCCAGGTTNN CTGAATCAGC	60
AACTGGAAAC TCCCCGCTTC CCCTTCCCGT ACAACACGCC AACCTCTAAA GAAGTGTACT	120
TGTATCGGGA GATCTTTGAA AGAACTATTC CCGNTTCCAA GNGCCGNTGA AGTGCGTGCC	180
GGGCGGTCCT TCCATCGCTT GTTCTTCCGC TAAAGCGAAT NCGNTTGGGA ATGCAAGCGT	240
TTCAAGAAAA ATGGGACGGT TCCGTCTGGT NCGCGNGGTT GGTGTTCCAC CAGTTCGGCG	300
TATTAGGTTA AGAAATNCGG NAACCGCCCC CGGTGGAATT CCGGGGTCCG GTTACCCAAT	360
TTCGNCCTNT TAGTTGAGTT CGTTTTTACA TTTNCATTGG GCCT	404
(2) INFORMATION FOR SEQ ID NO:1253:	
<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 399 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1253:	
GGCAGAGCCA AAGTGCAGAT ATTACAGGTG TGAGCCACTG TNCCTGTCCA TTTTCTAAGT	60
TATTTTATAA ATAATTAACA CAAGTAAACA ATGAAAAACA ACCTTATTAG AAACTTTAAT	120

AAGAATTTAA CCATAGCAAA CCCAATTTTT TTTATCCTGT AAGTTCCCTG GTTTTGAAGA

CACATACATA TTCAAAATGA GAAAAAGTCC TTTGGANTAT AATCATCANT TGCTATATAC	240
AAACCTGTAA ACATATACAT TATATAAATC CTGATTTNCC CGGTTTAAAA TGGAATCTCT	300
TAATATGGTC CGGGGGTTAN CCATNANTTC TGGGTTTTTG GCATTTNAAT TGTTCCAAAG	360
GGCCGTATTT TTGGAAAACT TTGGATGGGC TAGNATTTT	399
(2) INFORMATION FOR SEQ ID NO:1254:	•
<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 500 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1254:	
GGCANAGCCA AAGGGNCGGC ACAGCACGGT GCAGCGCTCC AAGTCCTTCA GCCTGCGGGN	60
CCAGGTGAAA GGAGACCTGC GCCGCCTGCC AGAAGACCGT GTACCCCATG GAGCGGCTGG	120
TGGCCGACAA GCTCATTTTC CACAACTTTT GCTTCTGCTG CAGACTGTCA CACCAAGCTC	180
AGNCTGGGCA GCTACGCCGC GCTGCACGGG GAGTTCTACT GCAAACCCCA CTTCCAGCAG	240
CTGTTTANGA GCAAAGGCAA CTACGNACGA GGGGTTTGGC CGCAAGCAGC ACAAGGAGCT	300
TTGGGCCCAC AAGGAGGTGG ACCCCGGCAC CAAGACGGCC TGAGGGCTCT TTTAACTTTC	360
CANCCCCTTT NNGGAAGGTC TTGTAGCCGN CAGGGGAAAG TTGGGAAGGA GGTTGAGCTT	420
GGGGTTTNNT TGGGGGGNCC AGTTGGNAAG GGGTTAGGGT TTTTCAGGGT AGGGGNCCAG	480
GNAAGGTTTT TTCCAGGATT	500
(2) INFORMATION FOR SEQ ID NO:1255:	
<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 439 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
(with group or controlled to MO.1255.	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1255:	60
CGANATGCCG CCACCGCCAC CTGCCCTTTN AGCGCATCTT TNACCCCAAC CACCGCCACTN	
TCGGCAACGN CCGGAATGGC TGGAGATACT CTNTTCAATC TCGCGCGTCC CCAGCCGATN	120
TNCCNGCAAC GTTAAATTAC ATCGTCAGTG NCGCCCGAGA ATAAAGTGAA TAACCGTCAG	180

CNTCACGGAT GCCCCAGTCA AAGGTGGCGT ACACCGNGCG GGAAAACAGC GACCAGTAAG

TTTTCACAAA GCGGCCGTCG TCGCCCCAGA TGGTCTGAAT ACACCCCGGC GGCAGGGCCC

240

TTCCACCACC AGCATCCCTT TTTCGTTGAN GCCAAAGGTT TGCCGGTGG	A TTTCATTAAG	360
CAATGCAAGT TATAGNCCTT ANATTGGNAA AACGGGGNTT TCCAAAGGG	TGGNCTTTTG	420
TTCAGACGGG GGAATGGCC		439
(2) INFORMATION FOR SEQ ID NO:1256:		
<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 205 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>		
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1256:		
CAACAGATGG GTAATGGCAC CAACGAGAGC CTGATGAAAG GGAGGGCGA	r CCTCCAGTTC	60
AAATATAAGG TCAGAACCTG CATGGTTTAT ATCAGACATC CCTTCACTC	C TTTTAAAGTA	120
AATTTGAATC ATCTGAATTA GTAAAATAAA TTCCCACGAA TTTGGGGCG	C AGGACGCCTT	180
GAGAACGGCT TATCTCATTT TCGCA		205
(2) INFORMATION FOR SEQ ID NO:1257:		
<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 503 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	· · · · · · · · · · · · · · · · · · ·	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1257:		
GGCAGAGGGA AAATNAAGTA CTCTTTTCAG TTGTGGATCG CAATGATGT	C AGCAAAGGGA	60
CATGATGGGA AGGAACCTGT GAAATTTGTA GATTTGCTTG GTGACCATG	G GAAACATGTN	120
CAGTCCTCTG TGGGAGTTGA TCAAATGGTG CCTGGGTCTG TCAGTGTAC	A CCATCCCTTC	180
CATTGGACTG GCTTTGTTGG AAGAAAAGCT CAGATATAGC AATGAGAAA	T ACCAAAAGTT	240
TAAGGCAGTG GAAGAAAGCC TGCGTAAAAG AGCTGGTGGA TATGCTAGG	T GATGATGGTG	300
TGTTCTTATA TNCCCTCACA TCCCACAGTG GGCACCTAAG CATCCATGT	N CCTTTTAACA	360
CGGGCCTTTC AACTTTGGNT TACAACAGGT GTTCTTTCAN TGNCCTGGG	T TTGCCNGTNA	420
ACCCCATGCC CATNGGACTG AATGCCAAGG ACTCCTTTAG GCATCCAGT	T GTNGGNGTAC	480
CCTTAAGGTC ATTTGCCCCG GTG		503
(2) INFORMATION FOR SEQ ID NO:1258:		

(i) SEQUENCE CHARACTERISTICS:

<ul><li>(A) LENGTH: 149 base pairs</li><li>(B) TYPE: nucleic acid</li><li>(C) STRANDEDNESS: double</li><li>(D) TOPOLOGY: linear</li></ul>	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1258:	
AGNTGAANAN NCCACAACCC TGACTCCCCC GACGTCCACC GTGAATCCAC ATCCGCA	NCG 60
AGACCTCCGT GCCCGACCAT GTGTCTGGTC CCTGTTCAAC ACCCTCTTCA TGNAACC	TCCT 120
GCTGNCTGGG NTTCATAGCA TTCGNCTAA	149
(2) INFORMATION FOR SEQ ID NO:1259:	
<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 253 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
( ) GROVENOR PROGRESSIVE GRO ID NO 1250	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1259:	
AGCTAAAAAA CGTCGCTGCG GTAATGGTGA CAGNGGCANT GTCTCCGTTT GGNACGN	•
GGGCAAACCA TCGATGTGGT GGTTTCTTCC ATGGGAAATG CCAAAAGCTT NCGTGGA	AGGT 120
ACGTTGTTGN ATGACACCGC TTTAAGGGNC GTTGGACAGT CCAGGTGTAT GCGCCTN	IGCG 180
CATGGGCAAT TATTCTGGTT GGCGGNCGCA GGAAGCCTCC GCTNGCGNNT ACAGTGT	TTC 240
AGGTTAACCA ACT	253
(2) INFORMATION FOR SEQ ID NO:1260:	
<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 489 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1260:	
ATATGCCGCA GAAATTTGGT CTGTATGAAG ATCTCACGGT GATGGAGAAC CTCAATC	CTGT 60
ACGCGGATTT GCGCANGTNC ACCGGCGAGG CACGTAAGCA AACTTTTNCT CGCCTGC	TGG 120
AGTTTACGTC TCTTGGGCCG TTTACCGGAC GCCTGGCGGG CAAGCTCTCC GGTGGGA	ATGA 180
AACAAAAACT CGGTCTGGCC TGTACCCTGG TGGGCGAACC GAAAGTTTTG CTGCTCG	SATG 240
AACCCGGCGT CGGCGTTGAA CCCTATCTGC ACGGCGCGAA CTGTGGCCAG ATGGTGC	CATG 300
AGCTGGCGGG CGANGGATGT TANTCCTCTG GAGTACCTNT ATTTTCGACG AAGCCGA	

ATTGCCTGNA CGTGTTAATT GATGAACGAN GCGNATTGCT GTTTTCAGGG NNGAACCAAA	420
AGCCTGNACA CAAACCNGGC CGGACGCAGT TTTTGATGAC CATTCACAGG AGGGCAACNC	480
AAANNTTGC	489
(2) INFORMATION FOR SEQ ID NO:1261:	
<ul><li>(i) SEQUENCE CHARACTERISTICS:</li><li>(A) LENGTH: 69 base pairs</li><li>(B) TYPE: nucleic acid</li><li>(C) STRANDEDNESS: double</li><li>(D) TOPOLOGY: linear</li></ul>	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1261:	
GGCANAGGGA GAAGCAGGAG CTGTCGGGNA GATCAGANGC CAGTCATGGC NTGACCAGCG	60
NGACCTTAT	69
(2) INFORMATION FOR SEQ ID NO:1262:	
<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 283 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1262:	
GGCANAGGAG ACAGGCAGTA TACAAATACT ATAAATACAC TGGAGGAAAA CATAGTGGGG	60
CTGATTATAG TCGATTTTTG CTCTTTTATT TCCGGTAACA GTAAAACAAC TCTGNATAAG	120
AAAAGGTTTG AACATGAAGG CAGACCTGAA GCGNGTNAGG NNAGTGAGCT ATGCAGCTAA	180
CCAGGGTAAG AGTTCCAGGT AGTGGGGATA GCAAGTGCAA AGGCACTATG GNAAAGGNTC	240
ACATGGNNAG NGGTGTCAGC AAGAAGGGCC ACTGTAGCCA GAG	283
(2) INFORMATION FOR SEQ ID NO:1263:	
<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 279 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1263:	
GGCANAGCAA GAAGGCAGGC GAAACAAACC GCCGTCAACA GATCCCAGAC TACCGTACTC	60
CTCCNANTNT TTNAGAAGGA TCGCTTTCAA GACATTGCCA CCAGGGAACA GCTGGCCAGA	120

GAAGACGGC CTCCGGGAAG TCCAGGGATT CAAATCTGGT TTCAGAATCG AAGGGCCAGG	180
CACCCGGGAA CAGGCTGGCA GGGTACTTAC CAGGCAGGCG GGCTTGATTG TTGGGCCCCA	240
GGCGGGGTTT TAACCCTGNT TNCCTNGTGG NTCNGTTTT	279
(2) INFORMATION FOR SEQ ID NO:1264:	
<ul><li>(i) SEQUENCE CHARACTERISTICS:</li><li>(A) LENGTH: 314 base pairs</li><li>(B) TYPE: nucleic acid</li></ul>	
(C) STRANDEDNESS: double (D) TOPOLOGY: linear	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1264:	
AGCNTGGGNT ACGACGTGGA GAACGACCGG NAGGTGAGGC CGANTTCAAC CGCATCATGA	60
GCCTGGTCGA CCCCAACCAT AGCGGCCTTN TAACCTTCCA AGCTTTCATC GACTTCATGT	120
CGCGGGAGAC CACCGACACG GACACGGCTG ACCAGGTCAT CGCTTCCTTC ANGGTCCTAG	180
CAGGGGACAA GAACTTCATC ACAGCTGAGG AGCTGCGGAG AGAGCTGCCC CCCGNACCAG	240
GCCGAGTNAC TGCATCGCCC GNTATGGTGT CCATNACCAG GGGCCCTGAA CGCCGTGGCC	300
CGGTGGCCNT CGAA	314
(2) INFORMATION FOR SEQ ID NO:1265:	
(i) SEQUENCE CHARACTERISTICS:  (A) LENGTH: 317 base pairs  (B) TYPE: nucleic acid	
(C) STRANDEDNESS: double (D) TOPOLOGY: linear	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1265:	
GGCACGAGGA GACAGGTCTT AGTCAATTTG GTAAGTTTAT TTTGCCAAAG TTAAGGACGT	60
GCGCCTGCAA CACAGCCTCA GGAAGTTCTG ATGACACGTG CCCAAGGTGG TCTGAGCGCA	120
TTGGNTTTTA TACATTTTAG GGAGATATGA CACATCAATC AATATACGTA NNATGAACAT	180
TGGTTTTGGT CTGGGAAAGG TGGGACAACT TGAAACAAAG GCAAGACAAC TGGNAGTAGG	240
NAAGGGAGCT TCCAGGTCAT AGGTAGNTTA AGAGACAAAT GGTTGCATTG CTTTTGAGTT	300
TCTGNTTGGG CCTNTCT	317
(2) INFORMATION FOR SEQ ID NO:1266:	
<ul><li>(i) SEQUENCE CHARACTERISTICS:</li><li>(A) LENGTH: 293 base pairs</li><li>(B) TYPE: nucleic acid</li></ul>	

(C) STRANDEDNESS: double (D) TOPOLOGY: linear	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1266:	
GTCGTTGNTG TTGTTGTTGT TGNGTATGCN GCAGAATTTN ACCAGNTGAT CTTAAAACCA	60
CACAGTGATA ATACAAGTTA CCAGCTATGG TCAAACAGTA TTGAAAAAGA NGATCAAAGT	120
TGGAGGACTC ATATTTNCCA ATTTNAAAGT TGCTTTAANG CTNCTNTAAT CAAGATGCTG	180
TGGTACTGGC ATAAAGAAAG ACATATATGT TGGTGGAATA GAATTGAGAA TCTAGNAANC	240
TTTACATTTA ATNAGTCAAT TGATTTTCCA GNNGAATGCT ATTAAGACGG TTA	293
(2) INFORMATION FOR SEQ ID NO:1267:	
<ul><li>(i) SEQUENCE CHARACTERISTICS:</li><li>(A) LENGTH: 379 base pairs</li><li>(B) TYPE: nucleic acid</li></ul>	
(C) STRANDEDNESS: double (D) TOPOLOGY: linear	
	,
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1267:	
GGCAGAGGGN CCTCTCAAAG TGCTGGGATC ACAGGTATGA GCCACTGCAC CCAGCCAATA	60
CTGTATATAT TTTTTTTAAT GGACCAAGGC CACCACAATG TGAGCAGAAA GGTCAAATAG	120
TCTGTTATGT GGGAGAAATG TGTACAGTGN ACTTTGTTTT TTAATTTCCC CCAGTTTTCT	180
AGTTTTCTGT TTTAGAAGAC ATGCTGTCAC AATTAACAAC TCTTACTNAA TAAGNACTTG	240
NTCAATTTGA AATGGTCTAT ACCAATTATG NAAATATGGA GGAAAGTTAG GGCATTAGGA	300
CTTACAAGCA CGTACTTCCN TCTTAAGTGG CTTAGGATTC CCCAAGCTGT NAACANTGCT	360
TTTTTTCAGC TGTTTNCCN	379
(2) INFORMATION FOR SEQ ID NO:1268:	
<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 351 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1268:	
GGCANAGCGN ACAGGGGGCG CTGTTTTCGT GGAAATCCCC CGGCTGCGAA CCTGGGATCC	60
CTGACCTGGA TCAAGTCTCC GAAGCTGGCA GAGTCCATTC TGCATCACCG GTCTTGGGCT	120

TTGAAGAAGC TAGGAGAAAT TCCGCTTCGG CCATCACGCT ATGGAAAAGT GGATTTTTTT

TTCTTAAGTC AATTTTTTT TTTTGAAAAT ATGAGACTTA GTAGGTTTGG GAAGTGGGCT	240
AAAAGAACAT TTGATATTGT AAATTGGACC CCCCCTTTGA AGGTGACAGT GTTTTTCCCC	300
TACTTNAAAG CGCCAANTTT TTTTNTGGCA CTATNAAAAG CTATTTACTA N	351
(2) INFORMATION FOR SEQ ID NO:1269:	
<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 127 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
(b) forologi. Timeat	
() GROVENOE DECOREDETON, GEO. ID NO.1260.	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1269:	60
GGCANAGGGA ACTAGTTCTC TCTCTCTCT TCCATGACCC CGCAGCTTCT CCTGGCCCTT	
GTCCTCTGGG GCNANCTGCC CGCCCTGCAG TGGAAGGAAA GGGGNCCCCA GNAGCTNCTG	120
AACACTG	127
(2) INFORMATION FOR SEQ ID NO:1270:	
<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 474 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1270:	
CAGTTTNAGG CGCAGAATAT CTNNCGAGGC GCTGCGCCCC GGTAAAGGTG CCGGAGAAAG	60
TAACGNGGGC GGCGGCAGTT GAACGACGTG ATTCTGCCCN GAATGCCGCA TCACGCTGCC	120
AGGCTTCGNT TTCGCGGTAT TGCTGGTACT CTTCCACTAC ATCANCNAAA GGCGTNAAAT	180
GGCGAANAGG NCGTTGGTTC GCCACGCAGC CATGTGCAGT NAAATATTGG CGATCTGGCG	240
GGTAATGGCC GGGAAAACTA AAAGCCATCG NACCAGCAAA TGGTGATAAC GCTGNTTACC	300
ANTACCAGCG GTTTATNCGC CCACCTGTTN TCAGCTGATG AAAGACCATG GTTTTACCGT	360
TATCGACGGG CNATTCTTGT TGCAAATCCG CCTGGTATTA ATGCCTGGGC CATTACCNTG	420
CGGGNTCATG TTTGGTTCNT AGGGTCGTTA ATTTTTGGCN ATTCGAACGT TNAA	474
(2) INFORMATION FOR SEQ ID NO:1271:	
<ul><li>(i) SEQUENCE CHARACTERISTICS:</li><li>(A) LENGTH: 500 base pairs</li><li>(B) TYPE: nucleic acid</li><li>(C) STRANDEDNESS: double</li><li>(D) TOPOLOGY: linear</li></ul>	

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1271:	•
GGCACGAGAA AGAACGAATT GGCAGCCCTG TCTACACTGG CCCTCTCTCA GGTGCAT	CAT 60
AACCTATTCC ATTCAGGCTT TTNACTCTCA GCACTTAGGG GCAGTTATGC TTGGCAT	TAGT 120
TTCCAAAAAC TTCCATTTGC CAAATCTAAA AGTCAGTCTT CTGTTCTCAT CTTGAAA	AATG 180
AATTATTAAA TTATGTATAT TTGGGCGGAG GCACTTGTTT TCCCTTTGAA GTCAGGC	GACC 240
CCCTGTTTTA TACCCTATGA TTATTGTTAA TGTTTCTGTT TCTCTCAGTT TTAAGAC	CAAT 300
TATCTCCTAT ATTGATGAGC AATTTGAGAG GTACCTGCAT GACGAGAGCG GCTTGAA	ACAG 360
GCGGCACATC ATTGATAATT AGGGTGCATT GTTGCTTTTA CTTTATTTCA CCTTTTC	GGAC 420
ATGGGTAAGT AATTGTTTAT CGTGGAGAAA TGCTTTACTA CATGGGGTTG TAAGTTT	TACC 480
CAAACTGGGG ATTTTAATAT	500
(2) INFORMATION FOR SEQ ID NO:1272:	
<ul> <li>(i) SEQUENCE CHARACTERISTICS: <ul> <li>(A) LENGTH: 382 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul> </li> <li>(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1272:</li> </ul>	
GGCACGAGAA GAACGACATC AGAGATGAGG ACAGCATTGC TGCTCCTTGC AGCCCTC	GGNT 60
GTGGCTACAG GGCCAGCCCT TACCCTGCGC TGCCACGTGT GCACCAGCTC CAGCAAC	CTGC 120
AAGCATTCTN TGGTCTGCCC GGCCAGCTCT CGCTTCTGCA AGACCACGGA ACACAGT	rggn 180
AGCCTCTGAA GGGCTTCCCC GAAAGTTNTG GGNACCAGGT CCAGGTGGGC ATGGAAT	rgct 240
TGATGACTTG GGAGCAGGCC CCCACAGACC CCACAGAGGA TGAAGCCACC CCACAGA	AGGA 300
TGCAGCCCCC CAGTTNCATG GGAAGGTTGG AGGGACANAA GCCCTTTGGG TTCCCCC	GGT 360
TTTCAAATTN CTTNNGGTTT TT	382
(2) INFORMATION FOR SEQ ID NO:1273:	
<ul><li>(i) SEQUENCE CHARACTERISTICS:</li><li>(A) LENGTH: 485 base pairs</li><li>(B) TYPE: nucleic acid</li><li>(C) STRANDEDNESS: double</li></ul>	

(D) TOPOLOGY: linear

GTTCGCCTTC	CGCTTTNAGG	ATTTGCAACT	GTTTTTAACC	TTCGGCTTTA	AGGATTTCCG	60
CCTGACGGAT	CCCTTCCGCT	TCAAGAATGT	AAGCNCGTTT	GGNACGTTCC	GCTTTCATCT	120
GCGCGTTCAT	TGAAGAGATA	AGCTCTGCCG	GTGGGCGCAC	GTCGCGAATT	TNAATACGGG	180
ТŅАСТТТААТ	CCCCACGGG	TTGGTGGCTT	CATCGACAAT	ACGCAGCAGG	CGTGAAGTTT	240
GATGCTGTCG	CGCTTGAGAG	AGCATTTCGT	CAAGTTCCAT	TGAACCCAGC	ACGGGTACGG	300
GATGTTAAGT	NCATGGTCCA	GGTTTGATGG	TTCGCCAAGC	TTCCAGATTG	CTTGACTTTC	360
ATAAGNCNGC	GCGCGGGGG	GGTTNAATTC	ACCTGGAATT	AAAAGGCACA	CGGGCGTTCG	420
ATTGGTNACC	GTTTGGCGGT	TATCCTTTTC	GGGGATAACT	TTCCCTGGGG	AAGGGGNTAT	480
TCGAG			•			485

# (2) INFORMATION FOR SEQ ID NO:1274:

- (i) SEQUENCE CHARACTERISTICS:
  - (A) LENGTH: 439 base pairs
  - (B) TYPE: nucleic acid
  - (C) STRANDEDNESS: double
  - (D) TOPOLOGY: linear

### (xi) SEQUENCE DESCRIPTION: SEQ ID NO:1274:

CGGGGGNGAA TCANTTTNTG GAATACTTTG GTGAGGCGCT GTTCCGTGCC GACTTGTGCA 60 CGCCGACGTA GCGATGGGCG ATCTGCTGAT TCACGAAGGC GCGCCATGCA TTGCACAGCA 120 ACATGCGGCA AAAGTNTTTA ATGCCGATAA AACCTACTTC GTTTTAAATG GNACTTCATC 180 TTCTAACAAA GTGGTTTTAA ACGCNCTGCT AAACACCGGG TGATCTGGTG CTGTTTGATC 240 GCAATAACCA CAAATCTAAC CACCACGGGG CGTTGCTACA GGCTGGTGGC AACACCGGTT 300 TTATCTGGGA AACGGCANTA AACCCGTNTG GCTTTATTCG GTGGGCATTT GATGCGCACT 360 GTTTTNNAAG AAAATTTACC CGCNGTGAGT TGATTCGGGG AAGTTCCAGG GGGGGGCCC 420 GTTACCCCAT TTGGNCCNC 439

#### (2) INFORMATION FOR SEQ ID NO:1275:

- (i) SEQUENCE CHARACTERISTICS:
  - (A) LENGTH: 509 base pairs
  - (B) TYPE: nucleic acid
  - (C) STRANDEDNESS: double
  - (D) TOPOLOGY: linear

## (xi) SEQUENCE DESCRIPTION: SEQ ID NO:1275:

GGTC	CGCGGCG	CAGTGGTGTT	CGATAACACC	GAATTCCGCG	TGGTGAACTC	ACGTACTCAG	120
CNG	NAAGCGT	ATGTTTTTGC	ACCGGCTACG	CTGTCCAACA	TTTACTACGG	TTTCCTCGCC	180
GTA#	AACAGCC	GTTTCAATGC	TTTCGGTGAT	GGTGTGGCGC	AACTGGGCCG	CTCGCTGGAT	240
GTTC	GATGCCA	ATACCAACGG	TCAGGTGGTG	ATCCGTGGAT	AGCGCCATCA	ACGGAAGTTT	300
TNAA	ACACGGC	TGAAACCGTG	GGGCCGATGC	GGTGTTTCTC	TNAATCGTGC	CNTTTNNGGG	360
GNAA	ATAACCG	GCANCGTAGN	TGATTAACGN	ACGAAATACC	AGCGCAATCT	GGAATNGNCA	420
СТАР	ANTACAA	CCGCATGTGG	GGGATTACAN	TAAACCCGGG	CGTTGGGTAA	TAAAATGGGT	480
TNNC	CAAGGGC	GAGAAATTAA	GGGCAATTN	· .			509
(2)	INFORM	ATION FOR SI	EQ ID NO:12	76:		·	
		EQUENCE CHAI			-		
		(A) LENGTH:	_	airs		•	• •
		(B) TYPE: no		· _			
		(C) STRANDE		le			
	•	(D) TOPOLOGY	: linear			•	
		• • •				•	
•			_		*	<b>.</b>	
		anoman an		200 - ED 120 - 14			
	(X1) S	SEQUENCE DES	SCRIPTION: S	SEQ ID NO:12	2/6:		
<b>7777</b>	mmccmc	$\lambda$ m $C$ m $C$ m $M$ $M$ $C$ $\lambda$	CMA CAMCCMC	mmmc a simc a c	CAMCCCMCCC	CMAMCA A CAC	<i>c.</i> (
AAAF	ATTGGTC	ATCTGTTTGA	CTACATCCTG	TTTGANTCAG	CATGGGTCGG	CTATGAACAG	60
TTTA	ATTCCGA	TGATGGCGGA	CTGTTCGCCG	CTGTTGCTGG	TTCTTAATGA	GAACGATCCG	120
GGTA	ATTCTGG	TTACGCAATC	TGTGCATAAA	CAACAGGCTG	GTTTTTNTCA	GACTTCACAA	180
ATTC	CATAAAA	AAGACAGCCA	CATCAAAGGG	CAANAGCGTT	ATGTACCGCA	CAAACGCATG	240
AACA	ACGCCT	TTNTGAATGC	ACGCCTCCAC	CAGCCCGTTT	CTATCCGCTG	TTTGCCGCAC	300
TGNA	NTATCC	AACGCCAAAN	TGNCATGGAA	GGTGTTCAGC	GGTTCGTAAT	NATGTGGGAT	360
GG			•				362
(2)	INFORMA	ATION FOR SI	EQ ID NO:127	77:			
	. (	EQUENCE CHAP (A) LENGTH: (B) TYPE: nu (C) STRANDED (D) TOPOLOGY	56 base pai cleic acid DNESS: doubl	irs			
	(xi) S	SEQUENCE DES	SCRIPTION: S	SEQ ID NO:12	277:		
TTTN	TTTTTT	TTTTTTTTTT	TTTTTTTTT	TTTCNCCAGA	TGGNGTCTCT	CTCTNT	56
(2)	INFORMA	ATION FOR SE	EQ ID NO:127	78:			

. (i) SEQUENCE CHARACTERISTICS:

(A) LENGTH: 370 base pairs(B) TYPE: nucleic acid(C) STRANDEDNESS: double

(A) LENGTH: 332 base pairs(B) TYPE: nucleic acid(C) STRANDEDNESS: double(D) TOPOLOGY: linear

(D) TOPOLOGY: linear (xi) SEQUENCE DESCRIPTION: SEQ ID NO:1278: CGGTTCCANA CTGTAATTGG TTTCCATCGC CACTTTGCCA CGCAGCACTT TGCATTTNCA 60 GGTCGCACAG ACGCCGCCTT TGCAGGCATA GGGCAGATCC GCCCCTGGG GCAATGCCGC 120 ATCGAGAAAT GCTTTCATCG TCGGCATTAA GCACGATTTC CCGATCCCGC CCATCCTGAC 180 240 GTACAGTCAC TTTTTNTCCG TNACTTTGCA CGTTAAACGC TACGTTTGAA CGCGCGTGCC 300 AGGGGTATTA AACCGCTCCA AATGAATGGT TTTTTCTGGG CATTCCCAGT GGCTTTTTAA 360 GGCGGTTTTC CGGGTNCATC CATTCATTCG NCGNCGGGNC CACAAATAAA ATGGCCTCNT 370 CCTTAAAGAC (2) INFORMATION FOR SEQ ID NO:1279: (i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 436 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: double (D) TOPOLOGY: linear (xi) SEQUENCE DESCRIPTION: SEQ ID NO:1279: GGTTTCGCCA GTGAACGAAC TGCTCACCCA TCAGGCGCAT CGNCATATCC ACACCTTTGC 60 GGNTCAGCGG TTCACCNTTN TTACCGATAA TGCGGTTCAG CGAAGCGGGA GAGGCTGGCT 120 180 TCGTTATGGG TGGAAACCAG TTTGCCAGTA AACAGCAGCC CCCAGGTGGC GGCATTAACA AACAGTGACG GGCTACGAAC CAATGTNTGA CTGCCAGTTA ACCGTTGCTG ATTTTTTCGC 240 GGAATTAAAC GCGTCGGGGG TGGGCTTTGT CGGGGAATAC GCAACAACGG TTTCCGCCCA 300 GACACATTCN GCGGCCAAGG CTTTCCTGCG NATTGACCAG CGGAAAAATT CCTGGCAATT 360 AANCCCTTGG GACCATAACC TGGGNGGACC CATTGGGNAT TTTTTTGNAT TACGGCGTTT 420 436 TTTTCCGGCC CANTTG (2) INFORMATION FOR SEQ ID NO:1280: (i) SEQUENCE CHARACTERISTICS:

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1280:	
TGGCGCAGGC NCTGTTTGCT GATCCGGATN TTCTCCTGCT CGACGAACCG ACCAACAACC	60
TCGACATCGA CACCATTCGC TGGCTGGAAC AGTGCTGAAC GAGCGTNACA GCACCATGAT	120
CATCATCTCG CACGACCGTN ACTTCCTTGA ACATGGTCTG TACCCACATG GCGGATCTGG	180
ATGACGGCGA GCTGCGNTTT TATCCGGGTT NTTGNCGNAT GGAGTACATG ACGGCGGCGA	240
CCCAGGCGCG TGAAACGTNT GCTGGCCGNT TAACGNCAAG ANGAAAGCGC AGATTGNTGA	300
GTTGCAATCT TTGGTTTAGC CGCTTTTAGG GC	332
(2) INFORMATION FOR SEQ ID NO:1281:	
<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 496 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1281:	
GGCCATCCNC TGGGCCTGCA GGTGCATGAN GTCGCTGGTT TTATGCAGGA TGATAGCGGT	60
ACGACCTCGC GGCACCGGCA AAATATCCGT ACCTGCCCTG CACCCGTNTT CTCCAGCCGG	120
GCATGGTGTT AACCATCGAA CCGGGTATCT ACTTCATCGA ATCGCTACTG GCACCGTGGC	180
GTGAAGGGCA GTTCAGCAAG CACTTCAACT GGCAGAAAAT TGAAGCACTG AAACCGTTCG	240
GCGGCATTCG TATCGAAGAC AACGTGGTGN TCCACGAAAA CAACGTGGGA AAACATGACC	300
CGGGATCTGA AACTGGCGTG ATGGAAAGCT GGTTAATTCC TGCGGCACCG GTCACGTTCG	360
TTGGNGAGNT CAAAAAGAGC CGGTTTCATA ACGATGTTGG GNGCATACCG TGGCGTTTTA	420
GGCGGCGAAA GNTTTTTTT GAATCGGTTC GGGAAGAAAA CCCCCNTTNN CCGGAACATT	480
TTTTTTGGGT TGGTTC	496
(2) INFORMATION FOR SEQ ID NO:1282:	
<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 209 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1282:	
TAATGAAGAA AACTCCNGGN TGTGGATNTA CCGCAAGCTN GGCGGCGGGC TACTCGGAAT	60
TTTAATGGTA CCGGTGCTCG CGGCCTATAC CACCTATNCT NTGGNAGATA AACCGGCGTT	120

ACGCCAGGCT TTGCGGCTGG ANTTGCNGCC AACATGATCG GCTCCGGGT	T TNTCGGCGCG	180
GTCGTTGGCG GNTTGATANC CGGTTACTT		209
(2) INFORMATION FOR SEQ ID NO:1283:		
<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 501 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>		
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1283:		
TACACACAGG CCAAAGAATC CTGGGAGATG GATACCAAAG AAAAATTGG	GA GCAGGCTGCC	60
ATTGTCAAAG AGAAGGGAAC CGTATACTTC AAGGGAGGCA AATACATG	A GGCGGTGATT	120
CAGTATGGGA AGATAGTGTC CTGGTTAGAG ATGGAATATG GTTTATNAG	A AAAGGAATCG	180
AAAGCTTCTG AATCATTTCT CCTTGCTGCC TTTCTGAACC TGGCCATGT	G CTACCTGAAG	240
CTTAGAGAAT ACACCAAAGC TGTTGAATGC TGTGACAAGG CCCTTGGAC	CT GGACAGTGCC	300
AATGAAGAAA NGCTTGTATT AGGAGGGGTG AAGCCCAGCT GGTTCATGA	A ACGAGTTTNA	360
GTCAGCCAAG GGTGGACTTT TGAAGGAAAG TGCCTNGNAA GTAAAACCC	CC CAGANTTAAA	420
GGCTGCAAGA CTGGCAGATC TCCCATGTGG CCAGNAAAAA GGGCCAAGC	GG NGCACAACGG	480
AGCGGGGANC CCCAGGATTT T		501
(2) INFORMATION FOR SEQ ID NO:1284:		
<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 512 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>		
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1284:		
GGAGCCGGGG AATCTGCGCC ANTTGATGAT CCCGGAACAG CAGAGNCCT		60
TTACGCTGTT AGTCGCCAAT GCCCTTNAGC GGCTGACGCT AACCGCCAC		120
CGCGGATGGC AAGCGAACGT GAACAGATCC GCAACGCCCT GCTGGCGGC		180
ATTTACGCAC GCCGCTTACG GTGCTGTTTG GTCAGGCAGA AATCTTAAC		240
CAAGCGNANG ATCACCCCAC GCCCGCCAGG CCAGCGAGAT CCGTCAGCA	T GTGCTGAACA	300
CTACCCGACT GGTGAATAAT CTACTGGATA TGGCGCGAAT TNCAGTCCC	G CGGCTTTNAT	360

TTGAAGAAG AGTGGTTAAC GCTGGAAGAA TAGTCGGCAN GCGCTGCAAN GCTGGAACCG

GTTTTNNNTT GCCCNTCATG TTTNNTTNNN CAGAACCNTG AACCTAATNC	CAGTTGAANG	480
GGCCATTNTT NNAACGGGTG CTGATTAATC TG		512
(2) INFORMATION FOR SEQ ID NO:1285:		
<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 485 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>		
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1285:		
ATTGTTTTAA AAAAGATTAT ATCTTTACGT CCGTAACCGG AGATTTCCCG	CAAAGCCAAT	60
TTACCGATAA TGAAATATCG TCTTTTATAA GGATATCTAA GATGCGTAAA	ACAGTGGCTT	120
TTGGCTTTGT CGGTACCGTA CTGGATTATG CCGGGCGCGG CAGTNCAGCG	CTGGTCAAAA	180
TGGCGTCCGA CACTCTGTTT ATGCCAGCAA GAATCGTTGG TCATCGATCG	ACTGGAATTG	240
TTGCACGACG CCCGCTCCGC GCTCGCTAAT TTGAAACGCT TAAACGCGAT	TATCGCCAGC	300
NTTTCGCCAG AAACAGNAAG TGGTGAGCGT TGAGATTGAA CTGCATNAAC	CCTGGGATTT	360
CGAAGAGGTC TACGCCTGTC TGCATGATTT CGCCCTGGTT AAGGAGTTTT	CAGCCAGAAA	420
AGGAAGANCT TTTATTTCAC NTCACCACCG TTACCCAGTG GNGGCNATTT	GCTGGTTTTN	480
GCTGG	•	485
(2) INFORMATION FOR SEQ ID NO:1286:		
<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 334 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>		
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1286:		
TATAAGCAAC GTGATGCCCT TGTGGGTCGC GCTTTTTAAA GATCCCCTAC	TTGNGGANCT	60
CTTCAAACGT TGGCAGTTCA GGAATNGCTT CCCGCGACTG GGCATACAGA	TGCCGNATCC	120
ACTCTTCCTG GGTACGGCCT TCAGTAAACT GTTGCTCAAC GCCAAGACGT	TTTNCCANTT	180
CGCTGGTTCA TTTCATAGAT GGTCTTACAT TCAAAGCGCG GNTTAATCAC	CTGATCGTTG	240
AAAATCACGT AAGGCNTATN CCCGCAGTAT GCATCCAGCG NAAAGTCCAT	CTGTTNCGGA	300
AGCGGTNCAG TCAGGCAGCA GGATGTCCAG CATA		334

(2) INFORMATION FOR SEQ ID NO:1287:

(i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 235 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: double (D) TOPOLOGY: linear (xi) SEQUENCE DESCRIPTION: SEQ ID NO:1287: 60 TGACTCACTG CTTTGCAACA CTCCGTGCTC TCATCGCCAA GTTTGGAGAC TTACTCTTCG AAGTGGAGGT GGAACAGTGT TTCGACCTAT GTCACCAAGT CCTGCANCAC TGCAGCAGCA GCATGGGATG TCACCCGGAG ACAAGCCTGT GCCACCCTTT ANCTCCTCAT GAGGTTCANT 180 TTTGGGGCCA NCCAATAATT TTTCAAGNTT AAAGATTCAA GTAACCCAAG GCCCN 235 (2) INFORMATION FOR SEQ ID NO:1288: (i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 504 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: double (D) TOPOLOGY: linear (xi) SEQUENCE DESCRIPTION: SEQ ID NO:1288: 60 GGCACGAGGG AGCCGGCGCC CGGNGGAGCA AGAGGAGGAG GAGGAGGAGA GGTCGGAGCC GTCTCCAGGA GCCCTTAGAG ACCGAGTCCC GGCGGCGACG GCGGGGCAGC GCACCGGCAG 120 GCGGNTTCAT TCCACTTAAA ACCTGAAAAC ATTGGACCAC ACAAAGTCTT ACTGATTTCA 180 GGTAAAAACA ATAATTGAAG ATGTCCAGCA AAACAGCAAG CACCAACAAT ATAGCCCAGG 240 CAAGGAGAAC TGTGCAGCAT TNAAGATTAG AAGCCTCCAT TGAAAGAATA AAGGTTTCGA 300 AGGCATCCAG CGGACCTCAT GTCNTACTGT GAGGAACATG CCAGGAGTNA CCNTTGCTGA 360 TAGGATTACC AATTTCAGAA AACCNTTTCA GGNTAAAAAA ATTGCTNCTN TTNTATGGAT 420 NGAGAAACAG TTCTTGGCTT TTTCCCAACA NGGCAATTAT GAGCAGTCTT GAGGGGTTTA 480

504

#### (2) INFORMATION FOR SEQ ID NO:1289:

CNTCAGTTAT TTGGTAACCA TGTT

- (i) SEQUENCE CHARACTERISTICS:
  - (A) LENGTH: 120 base pairs
  - (B) TYPE: nucleic acid
  - (C) STRANDEDNESS: double
  - (D) TOPOLOGY: linear

AGCGAGGCAC GCAGCCTACT AGGTGTGGCG GCGACCCTGG CCCCGGGTTC CCGTGGCTAC	60
CGGGNGCGGC NAACCCGCGC GNGAGCCGAA ACGCCCGGTG GNCNAGACCC CGAGGACCTC	120
	120
(2) INFORMATION FOR SEQ ID NO:1290:	·
<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 305 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1290:	
GGCAGAGCTT CACAATAGAA GTGGAAAGGG CCCTGAGAGT NTTGGATGGT GCAGTCCTTG	60
TTCTCTGTGC CTGTTGGAGG GGTACAGTGC CAGACCATGA CTGTCAATNG TCATTGANGG	120
CGCTACAACG TTCCGTTTCT AACTTTTATT AACAAATTGG GACCGAATGG GCTCCAACCC	180
AGCCAGGGNC CTGCCAGCAA ATGAAGGTCT TAAACTTAAA TNCATAAATG CAGCGTTTTA	240
TGCAGATACC CATGGGNTTT NGGAGGGTAA ATTTTTAAAG GTNTTGTTAG GATCTTTATT	300
NGAGG	305
(2) INFORMATION FOR SEQ ID NO:1291:	
<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 442 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1291:	
GGCAGAGGNC GCTTCCTGGG CCGCTTTGGT CTGCAGCCCC ACAAAACCAA ACTNTTTGGG	60
GCAACCACCC TGCGCCTTTT TAACATTCCG CAGCGCTGCA GAGAGGGACA AGGCCCTGCG	120
CCGTTTTGCA TGGTGCCCTC TGGGAAAGGC CGCCCACTCA GTGTGCGCCT GGTCCCGGCC	180
CAAGGGCAGC CCCATGGCCA GGAGGAGGCG ACAGGAGGGT GAGAGTNAAG CCACCAGTGA	240
ACACGAGTGG CCGACGTGGT GACCCCTCTA TGGACAGTGC CCTATGCTGA GCAGTTGAGC	300
GGNAGCAGCT GGAGTNCGAG CANGTGCTGC AGAAATTGCC AAGAAATCGG GAGCACCAAC	360
CTGCCTTGTT GCCTGGTTGT TGAGCAAGGC ACAAGCACAA CAAGGCTGTN NCCGTTGAGG	420
GGGTCAGNCT TANCCCNCAA TT	442
(2) INFORMATION FOR SEQ ID NO:1292:	

(i) SEQUENCE CHARACTERISTICS:

(A) LENGTH: 477 base pairs

(B) TYPE: nucleic acid

(C) STRANDEDNESS: double

(D) TOPOLOGY: linear

#### (xi) SEQUENCE DESCRIPTION: SEQ ID NO:1292:

AAAAATGGG ACCTCGGCGA CATCCTCGGC GCGAAAGGTA AGCTGTTCAA AACCAAAACC 60 GGCGAACTGT CTATCCACTG CACCGAGTTG CGTCTGCTGA CCAAAGCACT GNGTCCGCTG 120 CCGGATAAAT TCCACGGCTT GCAGGATCAG GAAGCGCGCT ATCGTCAGCN TTATCTCGAT 180 CTCATCTCCA ACGATGGAAT CCCGCAACAC CTTTTAAAGT GCGCTCGCAG ATCCCTCTCT 240 GGTATTCGCC ATTCCATGGT GAACCGCGGC TTTATGGAAG TTGAAACGCC GATGATGCAG 300 GTGAATCCCT GGCGGTGCCG CTGCGGTNCC GTTTANTCAC CCACCNTAAC GGGTTGGATC 360 TTNGACATGT TACCGCGTTA TCGGGCCGGA ACTGTAACTT CAAGGGTTTG GTGGTTGGTG 420 477 GNTTCGAGCG TGTATTCGAA TCAACCGTAA NTTCGTAAAG AGGTNTTTCC GTANGTN

#### (2) INFORMATION FOR SEQ ID NO:1293:

- (i) SEQUENCE CHARACTERISTICS:
  - (A) LENGTH: 487 base pairs
  - (B) TYPE: nucleic acid
  - (C) STRANDEDNESS: double
  - (D) TOPOLOGY: linear

#### (xi) SEQUENCE DESCRIPTION: SEQ ID NO:1293:

TTAATGGTAC CGGTGCTCGC GGCCTATACC GCCTATTCTN TGGCAGATAA ACCGGCGTTA 60 GCCAGGNTTT GCGGCTGGAC TTGCCGCCAA CATGATCGGN TCCGGGTTTC TCGGCGCGGT 120 CGTTGGCGGN TTGATAGCCG GTTACTTGAA TGCGCTGGGT GAAAAATCAC TTGCGTCTTA 180 GCAGTAAAAT TCAATGGATT CCTGGACTTT TTATCTCTAC CCGGTGCTCG GTANTTGGGA 240 GCGGGCAGTC TGATGCTGTT TGTGGGTGGG GGAACTGTTC GCCTGGGATC AATAACTCGT 300 TTAACCGCCT GGCTTGAACG GTCTTTTCAG GAAGTAAACG GGCTGTTTGC TTGGGTGNCC 360 420 ATTCTCGGTT TTAAGGGGTT CCCTTTGAAC CTTGGAGGGG CCATGAATAA AAGCCGTTAA GCANTTCTGC CCGGGGGNAA TGGGGAACGG GGTTTAAGGN CCNTATGCCA TTTGGGCTCC 480 487 GTNAAAA

## (2) INFORMATION FOR SEQ ID NO:1294:

# .. (i) SEQUENCE CHARACTERISTICS:

(A) LENGTH: 152 base pairs(B) TYPE: nucleic acid

(C) STRANDEDNESS: double (D) TOPOLOGY: linear			
		• •	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1294	1:		
AGCTCAATCC CGNCNCCGAC AAGACCCAGC GGNTTGGTGC CG	GGACTGTNG	CGATTTTCCG	60
TCCTNTTGCT TCGCGACCAA AGCCAGGCAG TGTTCAGCAC GT	rcgtgggcg	ACCNNGNCCT	120
CTCAAGTCGT CCGTGGTATT ATCACCCGNA CG		•	152
(2) INFORMATION FOR SEQ ID NO:1295:	á.		
<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 496 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>			· .
(a.i.) GROUPINGE DESCRIPTION, CEO ID NO.1205	= .		•
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1295		; •	
GGCACGAGCC GGCNTCCCCC ATCCCCCGGT TCGGACCGNC GA	AGCGCCGGC	TCTCCCCTCC	60
CTGAGCACCG ATCCCAAGTT CCAGCTAGAG AAGGTGGGCG GC	CACGCAGCC	CGGCGGCCCC	120
TCCCAGCTCC CAGCGATTTG AGAGGGAAGA TCTGATCTCC TA	AGAATTAGA	GTTGGTACAG	180
AAACCATTTC AGCTCCAAAA ATGTTGGAGG AAGATATGGA AG	GTCGCCATA	AAGATGGTGG	240
TTTGTAGGGA ATGGAGCAGT TGGAAAATCA AGTATGATTC AG	GCGATATTG	CAAAGGCATT	300
TTTACAAAAG ACTACAAGNA AACCATTGGA GTTGATTTTT TG	GGAGCGGCC	AAATTCAAGT	360
TTAATTGATG ANGATGCAGA CTTATGTTAT NGGGCACTNC AG	GTCAAGGAG	GAATTTTGNT	420
GCAATTACAA AGGCCTACTT ATCCGGGGAG CCCAGGCTTG TG	GGTGCTCGG	TNTTCCTNTA	480
CCACAGGTAG GGGATT			496
(2) INFORMATION FOR SEQ ID NO:1296:			
<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 473 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>		· .	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1296			
AGCGGTTCAT CCCCTTCCGG CGTCAGAGGA AAAGGTTAAT TT	TCTCTCCCA	CCACCTGGGT	60
TTCGACGATT TGTCCGTTGT CCATAACCGT TACCCGCTGG CA	AAAAGCGTT	CTACCAGGCG	120

TGAATCGTGG GTGAATGAAC AGGCAGGCGG TGCCAAACTG	TTNNTGTAGC	TTTTTCAGCA	180
GGCGAATGAA CACCCGCCTG TGAACACGAG ATCAAGGTTA	GAAACGGCTT	CATCCAGAAT	240
CAGTAGTTTC GGTTCGACCT TCANCGCGCG ACCAGGCAGA	CGCGCTTGTA	GCTGGCCGCC	300
GTTTAACTGC GGTGGGNCTT TNTNGAGAAC GCTGTTCATC	GAGATCGACC	GNCTTCAGNA	360
NTTTCGTTGG CGGGCGNCAT TTGTTCCGGA TTTTTTCCAA	TGATTAGCAA	GTTGGCGCAT	420
CGGTTCAGGN AGNTTTTCGG GAAGGTTTTT CGGGAATTCA	GGGGTTNTGG	GNT	473
(2) INFORMATION FOR SEQ ID NO:1297:			
<ul><li>(i) SEQUENCE CHARACTERISTICS:</li><li>(A) LENGTH: 351 base pairs</li><li>(B) TYPE: nucleic acid</li><li>(C) STRANDEDNESS: double</li><li>(D) TOPOLOGY: linear</li></ul>			
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1	297:		
GGGGTAATAC AGGCCAGACC ATTCTTGCCG TTNATGTTCA	GACCGTCGGA	ACCGCACACA	60
CCTTCACGGT AGGAGCGGCG GAANGACAGG CTGGGATCTT	TCTCTTTTAG	CTGGATAAGC	120
GCATCCAGCA GCATCATGTC GCGACCTTCA TCCGCTTCCA	GGGTGTAATC	CTGCATACGC	180
GGANATNCAT CAACATCCGG GTTATAGCGA TAAATTNANA	AACTCGAGTC	TCATTTTCCT	240
GTCTCCGCAT TAGTTAAGTA CGGAATCTTN GGTCGGGGAT	TGCCNGGGCG	GCATTTTCGG	300
GTTTCCCATG TTTGAACGTT TTCGGNGGCG TTCANNGGAT	TTCCCGAACT	Т	351
(2) INFORMATION FOR SEQ ID NO:1298:			
<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 357 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>			
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1	200.		
		N TO COTONICO C	. 60
TGCATAGTCT GGCAGGATCG CTGGATGTNG CCGATCGCCA GGCTGATGCG CGACTCGGGN ATTCTGAATN CTCGATGAAC		•	120
GCGGAAACCG AACGCTTGTT TAGTCGCTTG CAAGAGCTGC			120
GCGGAAACCG AACGCTTGTT TAGTCGCTTG CAAGAGCTGC GTTTTTATCT CGCATTAAGC TGCCGGAAAA TTCGCCAGAT			180
•			240
GATGCNCGAG CGGGAACCAT CGCCTTNAAG GGGGCAAAAC	CAGCGGAACT	GTTCTNACCG	300

ACGACATTTA TTTCAGGCCA TNCACCCCAG CGGGTAGNGG GAAAAATCGG TCTTNTG

(2) INFORMATION FOR SEQ ID NO:1299:	
(i) SEQUENCE CHARACTERISTICS:  (A) LENGTH: 458 base pairs  (B) TYPE: nucleic acid	i.
(C) STRANDEDNESS: double	
(D) TOPOLOGY: linear	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1299:	
GGCANAGCCT GATCCGACCC CGTCCCGCNG CGCGCCCGNC AGCCATGAGC TO	CNACGCATT 60
GCAACAAGGG CCCCTCGTAC GGGCTGTCGG CCGAGGTCAA GAACCGGCTC C'	
ATGAACCCCC AGAAGGAGGC AGAGCTCCGC ACCTGGNTCG AGGGACTCAC CO	
ATCGGCCCCG ACTTCCAGAA GGGCCTGAAG GATGGGAACT ATCTTATGCA C	
ACAAGCTACA GCCGGGCTCC GTCCCCAAGA TCANCCGCTC CATGCAGAAC TO	•
TAGAAAACCT GTCCAACTTC ATCAAGGNCA TGGTCAGNTA CGGGCATGAA C	
TGTTCGAGGG CCAGGAACTG TTTTAGAGTT GGGAACATGA NGCAGTTGCA N	GTGTTTTT 420
TTTNGNCCTG GGTTGGGAAG GNCAAGATTA AGGGGTTG	458
(2) INFORMATION FOR SEQ ID NO:1300:	
<ul><li>(i) SEQUENCE CHARACTERISTICS:</li><li>(A) LENGTH: 71 base pairs</li><li>(B) TYPE: nucleic acid</li><li>(C) STRANDEDNESS: double</li><li>(D) TOPOLOGY: linear</li></ul>	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1300:	
GGCAGAGCAA CAAAGGAGCC AAGGGNGACC GAGGCTTGCC TGGNACCCAG AG	GGCCCCCAG 60
GGNAGCTCTT N	71
(2) INFORMATION FOR SEQ ID NO:1301:	
<ul><li>(i) SEQUENCE CHARACTERISTICS:</li><li>(A) LENGTH: 348 base pairs</li><li>(B) TYPE: nucleic acid</li><li>(C) STRANDEDNESS: double</li><li>(D) TOPOLOGY: linear</li></ul>	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1301:	
TTNGCAACCA CGATTTTCGC GTCGGTTGGG TTTTCCAGCA GGTATTCTGC C	AGCAGTTCG 60

TTCATCTCCT GTTCAACCGC CGATTTCACC TCAGAAGAAA CCAGTTTGTC TTTGGTCTGG

GAGGAGAATT TCGGGTCCGG CACTTTCACG GAAACAACCG CAATCAGGCC TTCACGCGCA	180
TCGTCACCGG TGGCGCTGAC TTTGGCTTTT TTGCTGTAGC CTTCTTTGTC CATGTAGGCG	240
TTNAGGGTTA CGGGTCATCG CCGCACGGTA AGCCTGCCAG GTGAGTACCG CCGTNCACGT	300
TGCGGGATGT TGTTGGTAAA GCAGTNAGAT GTTTTGCNTG GGANGCCN	348
(2) INFORMATION FOR SEQ ID NO:1302:	•
<ul><li>(i) SEQUENCE CHARACTERISTICS:</li><li>(A) LENGTH: 255 base pairs</li><li>(B) TYPE: nucleic acid</li><li>(C) STRANDEDNESS: double</li><li>(D) TOPOLOGY: linear</li></ul>	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1302:	
GGNAGAGCGG GATCAGAACA AGTACAAGGA GGCTGCCCAC CTGCTCAATG ATGCTCTGGC	60
CATCCGGGAG TAAACACTGG GCAAGGACCA CCCAGCCGTG GCTGCGAACA CTAAAACAAC	120
CTGGNCAGTC CTGTATGGCA NGAGGGGCAA GTACAAGGAG GCTGAGCCAT TGTGCAAGCG	180
GGGCACTGGN GGTTCGGGAG AAGGTCCTGG GCAAGTTTTC ACCCANATGT GGGCCANGCA	240
GTTTAGGAAA NNTGG	255
(2) INFORMATION FOR SEQ ID NO:1303:	
<ul><li>(i) SEQUENCE CHARACTERISTICS:</li><li>(A) LENGTH: 137 base pairs</li><li>(B) TYPE: nucleic acid</li><li>(C) STRANDEDNESS: double</li><li>(D) TOPOLOGY: linear</li></ul>	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1303:	
GGCAGAGGAG GAAGGGGTCT CGTCGGAAGG CGCTGGACGG GGGTGACCGG GAATCGGGNA	60
CAGGGACAGA GATAGGGACA NGGACAGGTC ATCCAAGAAG GNCCGNCCCC CCAAGGAGTT	120
CGGCGNCTTC CTCAGGG	137
(2) INFORMATION FOR SEQ ID NO:1304:	
<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 141 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	

⁽xi) SEQUENCE DESCRIPTION: SEQ ID NO:1304:

GGCANAGGTA AACAAGGGTG AACCTGGTGT GGTTGGTGCT GTGGGCATGA CTGGTNCAT	C 60
TGGTCCTAGT GGACTNCCAG TAGTGAAGGG GTGCTGCTGG CATACCTGGT AGGGCAANG	G 120
NAGTTAAAGG GTNAACCTGG T	141
(2) INFORMATION FOR SEQ ID NO:1305:	
<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 469 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1305:	
GCATATTGTT GGCGGTAGTN AGGCAGTCCT GGAACNNCGN CGGCGCTTTC TTGAAATCC	G 60
CTGGTTAAGN CACCGGCGTC GCTGGCGAAT CTGGTATTAC TCGGTTGGTT ACTCGGCGT	rg 120
CAATATGCCC GTGCGNCATA AATATTNTTA GTGGTCGGCA ATATCCTCAA CATTGTGCT	rg 180
GATGTCTGGC TGGTGATGGG GCTGCATATG AACGTGCAGG GCGCGCGCT GGCGACGTT	T 240
ATTGCGGAAT ATGCAACATT GCTGATTGGT CTGCTAANGG TGCGTAANAT CCTCAAACT	'A 300
CGCGGAATTT TCCGGCGNAA TGCTGAAAAC TGCCNTGGCG AGGNAACTTN CNTTGGTTT	rg 360
NTGGGGGTTT AACCGGGATA TCAAGCTGCG TTCNCTGTTG TTGCAANTNG TTTCGGGGG	G 420
ATCANCTACT TGGGGGCCNAC TGGGGGGTGC CTTATCNTTT TAACGGGTT	469
(2) INFORMATION FOR SEQ ID NO:1306:	
<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 496 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1306:	
GGCANAGCGT TTGCGNAGGC TGTTCCACCG CCCTGGGAGG CAGCAGCTTC TTCGAGAAC	G 60
AATGGAGCCC NNTTTTGCCC CGAGTGCTAC TTTAAGCGCT TCTCGCCAAG ATGTGGCTT	CC 120
TGCAACCNGC CCATCCGACA CAAGATGGTG ACCGCCTTGG GCACTCACTG GCACCCAGA	AG 180
CATTTCTGCT GCGTCATTGN GGGGAGCCCT TNGGAGATGA GGGTTTCCAC GAGCGCGAC	GG 240
GCCGCCCTA CTGCCGNCGG GACTTCCTGC AGNTGTTTCG CCCCGGGTTG CCAGGTTGC	CC 300

AGGCCCCATC TTGGTTAACT ACATCTNGGN GTTCAGGGNT TCTGGGACCC GGANNTTTTC

GTTTNCANGG NAATGTTTGG GGCCTTTTTN GGGGGGNATT TTTTTNGAGC AANAAGGGCN

360

CCCTTTTTGG AGAAACCATT TCCAGGAAGA AGGGGTTGTT	TTGGNCAAGT	TTGGGTTCCC	480
TNTAANCGCC TTTGTT			496
(2) INFORMATION FOR SEQ ID NO:1307:			
<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 200 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>			·
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1	307:		
TCCGGTATGT NCAAAGCTGG TTTTNCTGGG GACGACGCTC	CTGAGNTGTG	TTTCTTTCCA	60
TCGTCGGGTG CCCNAGNTAC CAGGGCGTCA TGGTGGGGCA	TGGGCCAGAA	GGACTCCTAC	120
GTGGGNNACG AGGCCCAGTG GCAAGCTTGG CATCCTGACC	CTGNAAGTAN	CCCATTGAGC	180
ATGGGNATCG TTAACCAACT	*.		200
(2) INFORMATION FOR SEQ ID NO:1308:			
<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 477 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>			
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1	300.		
CCGCAGTTTC GCTTCGGCGA GGNGTGTGTG AACCACTTAG		<u>አ</u> መር አርርርር አመ	60
		-	120
CCAGCTGCGG GTCATTGAGT TGTTTCCACC ACTGCGCCTG	٠		
GAATGAATAT CGTCGGCCAG TTTGAATTTG TTCCGGTTTG			180
CAGCGCGGGT TAAAGCAGGC AGCCGTTCGG GCGGTTCGTA			240
GCAACGACGC CAGACGTTCT TTGTCCTGAG CAAATTCTGG			300
GAGTATAACG GGTTGACGCG GCGCATGGTA AGATGGCGTG			360
CCAACTGGGC TTGCATAACA TCACGATGAT TTTANTGTTG	CCCGTTTCCG	NCAACAAGGC	420
CAGTTCATGG GTAATTAAAC ANCAGGGCCA GTTNTTTTTC	TGGTTTNAGT	TCCCACA	477
(2) INFORMATION FOR SEQ ID NO:1309:			
<ul><li>(i) SEQUENCE CHARACTERISTICS:</li><li>(A) LENGTH: 489 base pairs</li><li>(B) TYPE: nucleic acid</li><li>(C) STRANDEDNESS: double</li><li>(D) TOPOLOGY: linear</li></ul>			

## (xi) SEQUENCE DESCRIPTION: SEQ ID NO:1309: AGCCACCAGN GCTGGGACGC GGCGGCANGG CGGCGGCGGC GGCCCTCCGG CAAAGCGAAG 60 GCTGGNAGNT AGGAGAAAGC GGTCATCAGT ACCTCTCAGA TGGTTTAAAA ACCCCCAAGG 120 GTCAAAGGAA GAGNTGCACT ACGNNGTTCC AGATAGTCCA AAAACTCCAA AATCTCCCTC 180 AGAAAAACG CGGTATGATN ACGTCTCTTG GTCTGNTCCA CCAAGNAAGT TCATTTCAGC 240 300 TTCCTGCAGC CAGTTCACCC GATGGGGTAT TGGNATTTGN AACAAGGTCA GNCAGNNGTG CTNAAAAGTG CAAAAGAGGN AGGTTTTTTG NTTATNCACC AACGTTTTGG TAAGGNCTNC 360 CACCTGNTTT AAGAAGTAGT TNTAAAAACA ACGTNCCAAT GGGTGGGGTT GCATTCTGTT 420 CTGAGGTTGG GGGNATGTTT NGCCCATTTT CAAGGTCTGT TCAAAGGAGT NACCCGGTTC 480 AGTCAGGAG 489

## (2) INFORMATION FOR SEQ ID NO:1310:

- (i) SEQUENCE CHARACTERISTICS:
  - (A) LENGTH: 490 base pairs
  - (B) TYPE: nucleic acid
  - (C) STRANDEDNESS: double
  - (D) TOPOLOGY: linear

## (xi) SEQUENCE DESCRIPTION: SEQ ID NO:1310:

TTTTTTCTGG	GCGGCCGCTG	CGACACGGGA	CTGACTTNGG	GATGGGAAGT	GGAGTNCCCG	60
GAGCTGCTAC	CGTGGCGGCG	GCGCTGTGAG	GAGCAGCCAG	GGGGAGGCAG	CTGCGGCTCG	120
CCNNTGAAGT	ATCCGGGAAA	GCGCCACCAT	GGGGCTCCGT	GAAGAAGAGC	ACCAAGAACC	180
CCCCGTTCT	CAGCCAGGGA	ATTCATCCTG	CAGAATCATG	CGGACATCGT	CTCCTGCGTG	240
GGGATGTTCT	TCCTGCTGGG	GCTTGTNTTC	GAGGGAACAG	CAGAAGCATC	CATCGTGGTT	300
TCTCACTNTT	TCAGCACANT	GTTTGCTGTA	CCCTGCAGCA	GAGGGAACAA	GCCACGGGGT	360
TCAAAGNCCC	CCTNTTTTTT	ATGGTGTTCA	AAGATTTNGG	CCACGGTTTT	TTTNTTACAA	420
GGTGGTGGGC	AATCATTNTT	CATGNCACAT	TTCAGGAATA	NGTGTTTGGN	TAAAATTAAC	480
AAGAGAATGC		•				490

## (2) INFORMATION FOR SEQ ID NO:1311:

- (i) SEQUENCE CHARACTERISTICS:
  - (A) LENGTH: 496 base pairs
    - (B) TYPE: nucleic acid
    - (C) STRANDEDNESS: double
    - (D) TOPOLOGY: linear

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1311:	•		
GGCACGAGGT TGGGCTCCCG CTGGAGTNTG CGTTGGGGGC GGACCAGGAG CGGTGGTCTC	60		
NAGGGAGGTC GAGGCTGGGG CTCCCACCCG GATTTGGAGC AGGGTCGCCG CGGCCCAGCT	120		
GAACCCGCCG GCNTTTGTAC GTTGTGTGCC CACTCAGGGA GCCATGGACA ACTGTTTGGC	180		
GGCCGCAGCG CTGAATGGGG TGGACCGACG TTCCCTGCAG CGTTCAGCAA GGTTGGCTCT	240		
AGAAGTGCCT GGAGAAGGGC CAAGAGGAGG GCGGTGGACT GGGCATGCCC TGGAAGCNTC	300		
CCAAAGGCTG CATGGGGGTC CTTGCCCGGG AAGTGCCCCA CCTAGNAGAA ACAGCCGGCA	360		
NCCGGCCCGC ANCGGTTTTT CCCGGGGGNA AAGAGAAGAG AGACCCCCAA CCTTTAGTGN	420		
TTTCCTTTCA GAACAATGGC TGAATTTCAT GGATTNTATT TCAATTCANT NTGGGGAATA	480		
NTANTTCATT GTGGCC	496		
(2) INFORMATION FOR SEQ ID NO:1312:			
<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 323 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>			
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1312:			
GGCTGCTGGG TCACGGCGAT TCGCCGCCAA CCGTACCCGC TGGTACTGCG CGACTGNTTN	60		
AACGCTTAAC CGCTGCGCAT GAAATCAGGN ATATCGACCG TTTGCTGGAG GTGCTGCATG	120		
GCAACGGTTA ATAAACAAGC CATTGCAGNG GCATTTGGTC GGGCAGCCGC ACACTTATGA	180		
GCAACATGCA GATCTACAGC GCCAGANTGC TGACGCCTTA CTGGCAATGC TTNCACAGCG	240		
TAAATACACC CACGTTACTG GACGCGGGTT NTGGANCTGG CTGGNTGAGC CGCCATTGGG	300		
GNAACGTTCA CGCGCAGTGG GCG	323		
(2) INFORMATION FOR SEQ ID NO:1313:			
<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 234 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>			

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CCGCCCAGTT CCATGGTCAC TTCTTTCAGG GAAGAGGCCG CCGAGTTAGC CATCACTTTT	120
TTGCCGCTGG NGACACCGCC GGTAAAATGA ACACTTTGGC AATGCCCGGA TGCTCGGTCA	180
GATAATTGCC CCGGTNTNCG GGGCCCAAGN CCNGGCAACA AGGTTAAATT ANGG	234
(2) INFORMATION FOR SEQ ID NO:1314:	
<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 352 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1314:	
CAGGAAAGAC TATGGAACGG AGCGTCANCG TGCGTTTATC AATGCCGAGA ATATCCAGCC	60
ACTGCTGCAC CAGTTTTTGC TGGCGATCCG AAACGGCCTG ATAAATGCCA ATCGAATCAA	120
AATAGCCAGA AAGAATCACA TTACGCACGG TAGTCTGAAC CCGGTAATCC AGATGCAAAC	180
TACTGCTGAC GTAACCGATA TGCTTTTTGN TATCCCAGAT GGTTTCGCCG CTGCCGCGAC	240
GTACGTCCGA AAAAGCGTCA AATCGTTGCT GTTAACCTTG CGGATGATNC GNCAGTTAAC	300
CAGGGTTAAT AAACGTGGNT TTTTCCNGCA CCATTTGGGC CCGACAATTT GN	352
(2) INFORMATION FOR SEQ ID NO:1315:	
<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 316 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1315:	
	60
GGCACGAGCT GCGGCGNCAG NAGCAGCAGC AGCAGCGNGN GGNAGAGGNG GTGGCGGCGG	
GGTGGACAGC ACGGCCGAGG CTGCCCAGAG GCGCCTCCTC CACACCCCCC GCTGCGGCAG	120
CACCGGNGAA CAGATTTTTT AAAAAATGGA TTTGGCCAAC CATGGACTTA TTCTACTGCA	180
ACAGTTAAAN GCTCAGCGAG AGTTTGGTTT CCTGTGTGAC TGCAAGGTTG CAGTCGGGGA	240
TGTATANTTC AAGGGCACAG TAGATNCAGT TACTTANCTT CATTGCTACC AATTAACTTT	300
TANNATGTTG TTTGTA	316

(2) INFORMATION FOR SEQ ID NO:1316:

(i) SEQUENCE CHARACTERISTICS:

(A) LENGTH: 485 base pairs

(B) TYPE: nucleic acid

(C) STRANDEDNESS: double
(D) TOPOLOGY: linear

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1316:	
TGTCACTGGT CCAGTCTCGG AAGGCAGGAA TCACTTCTGC AATGGCTACA CGCACTTCTC	60
TTAAGGACGA NGAGCTGAAA TCCCACGTNT TTAAGGAAAC CCTGCAGGCC TTAATCTACC	120
CCATTTCGTG CACCACTCCT CATAACTTTG AAGGTCTGGN NGGCCACTAC CCCAACCTAC	180
TGCTATGAAG TGTGAAGGNC CTGCTCTGGG GCATTGTCCG GCAGGATGNC GCCTGCAGCG	240
AAATGTGGAG TCAAGTGCCA TGNGAAGTGC CAGGTATCTG GTTCAATGNT GGACTGNCTG	300
CCANCGGGNT GNANATAAGA GCTGTGAAAC ATGGAGCTGA GGGACCGGTA CCCAGAACNT	360
NNNCNTGGGC CNGGAAGGNA CCGCATGGAA GATCCGAGTG GGGAATTAAN GNCAGAGATN	420
NTTTGNAAAG TTTTTCCGGG GANTNTTTTC ACAGTGGAAC AAAGTTGCCC NGTGNCAGTA	480
GNTTG	485
(2) INFORMATION FOR SEQ ID NO:1317:	•
<ul> <li>(i) SEQUENCE CHARACTERISTICS: <ul> <li>(A) LENGTH: 100 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul> </li> <li>(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1317:</li> </ul>	
GGCAGAGCTC GGCNAGANAG AAAAAAAAAA AAAAAAAAAA AAAAAAAAA AAAAAA	60
AAAAAAAAA AAAAAAAAA AAAAAAAAA AANAAAGNNG	100
(2) INFORMATION FOR SEQ ID NO:1318:  (i) SEQUENCE CHARACTERISTICS:  (A) LENGTH: 502 base pairs  (B) TYPE: nucleic acid  (C) STRANDEDNESS: double  (D) TOPOLOGY: linear	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1318:	
GGCANAGAGA AGGAGAAGGA GGAACTGGAC AGGGGCTGCC GCGAGTCCAA GCGCAAGGTG	60
GCCGAGTGCC AGAGGAAACT NAAGGNGCTG GAGGTGGCCG AGGGCGGCAN GGCAGAGCTG	120
GAGCGCCTGC AGGCCGAGGN CACAGCAGCT GCGCAAGGNG GAGCGGACTG GGAAGCAGAA	180
COMPANY CONTRACTOR ACCOUNTS CAMPACTOR NAACCHTCCA CACCCTTCAG	240

CAAAGACGGC TTTCAGCAAA GAGCATGGTT AATTACCAAG CCCGAGAAAG TACGGTAGGA	300
GGATTCANAG GAGGTTGAGG GGAGCAGAAA CACAAGACCT TTCTTGGGAA AATTACGGGT	360
AAACAGNTTC AAGCATTTTG GGCATGTTTT CGCCGTTGGG GTTGACAGCC AAAATTACCT	420
TTCAGACAAN TTCCACTTGT TTTTCGAGGA GACAGCCCTT TACCTGGTCN TTTGGTGCTT	480
TGACCTAGAG TTGGAGGGAA TT	502
(2) INFORMATION FOR SEQ ID NO:1319:	
<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 50 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1319:	
GGCAGAGTTT TTTTTTTTT TTTTTTTTT TTTTTTTTTT	50
(2) INFORMATION FOR SEQ ID NO:1320:	
<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 256 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1320:	
GGCACGAGCC ATGATGACGC CCACGGGNNC TTCCAGTACG ACCATGAGGC TTTCCTGGGA	60
CGGGNAGTGG CCNAGGAATT CGACCAACTC ACCCCAGAGG AAAGCCAGGC CCGTTTGGGG	120
CGGATCGTGG ACCGCATGGN ACCGCGCGGG GGACGGCGAC GGCTGGNTGT CGCTGGCCGA	180
GCTTCGCGCG TGNGTTCGCA ACGACGCAGC AGNGCACATA CGGGNNTCGG TGAAGCGCGG	240
CCTGGGACAC GTACGA	256
(2) INFORMATION FOR SEQ ID NO:1321:  (i) SEQUENCE CHARACTERISTICS:  (A) LENGTH: 403 base pairs  (B) TYPE: nucleic acid	
(C) STRANDEDNESS: double (D) TOPOLOGY: linear	

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1321:

CCTTCACGGC AGGAGCGGCG GAANGACAGG CTGGGAATCT TTCTCTTTTA GCTGGATAAG	120
CGCATCCAGC AGCATCATGT CGCGACCTTC ATCCGCTTCC AGGGTGTAAT CCTGCATACG	180
CGGANATNCA TCCAACATCC GGGTTNATAG CGGATAAATT GAAAACTCGA GTCTCATTTT	240
CCTGTCTCCG NATTAGTNAA GTACGAATCT TCCGGNGGGA ATGNCCGGGC GCATTTNCGG	300
TTCCATGTTT GACGTTCGGN GCGTTCATGG GNTTCCGAAC TCTGGGCAGA TACAGGGNAN	360
TGGGCACANC CATTTTTCA TCATCAAGAT TCGGGGAAGT CGA	403
(2) INFORMATION FOR SEQ ID NO:1322:	
<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 471 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
	•
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1322:	
GGGGTAATAC AGGCCAGACC ATTCTTGCCG TTNATGTTCA GACCGTCGGA ACCGCACACA	60
CCTTCACGGC AGGAGCGGCG GAANGACAGG CTGGGATCTT TCTCTTTTAG CTGGATAAGC	120
GCATCCAGCA GCATCATGTC GCGACCTTCA TCCGCTTCCA GGGTGTAATC CTGCATACGC	180
GGANATGCAT CAACATCCGG GTTATAGCGA TAAATTNNNA AACTCGAGTC TCATTTTCCT	240
GTCTCCGCAT TAGTAAGTAC GAATCTTCGG CGGGAATGCC NGGNCGCATT TTCGGTTCCA	300
TGTTGACGCT TCGGGGCGTC ATGGGTTCCG ACTCTGGNCA GATACAGGGA GTGGCACAGC	360
AGTTTTCATC ATCACGTTCC GGAAGTCGAA GCGGTTNTGG CGCCAAGGTT TTTCGTANGG	420
AATTTTGCAG AACAGCNTTG CNTAGGCGTT TCCNTCAGTT ATCCATTCCA G	471
(2) INFORMATION FOR SEQ ID NO:1323:	
<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 429 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
() GROUPINGE PROGREDMENT CEO TO NO. 1222	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1323:	60
GGCANANAGA AAGATCCACG ACTTGGCCCT GGAGCTCTAC ACGCAGAGAT CGCTGCTGGT	120
GATGGGGCGG GGCTACAACT ACGCCACCTG CCTGGTAAGN AGCCCTGAAA ATTAAAGAGA	180
TAACCTACAT GCACTCAGAA GGCATCCTGG CTGGGGAGCT GAAGCACGGG CCCCTGGCAC	
TGAATTGACA AGCAGATGCC CGTTNATCAT GGTCATTATG AAGGATCCTT GCTTCGNCAA	240

ATGCCAGAAC GCCCTGCAGC AAGTTNACGG CCCGCCAGTG GNCCCCCATT TNTACTGTGG	300
NTCCAAGGGA CGATNATTGA AAGTTTCCCA AGTTTGCGTA TTAAGNCAAT TCGAGGTTGC	360
CCCCACATTG TGGGAANTGC CTTCCNGGGG ATTCTGAGGC GTTGATTTCC GTTGCNATTG	420
NTGTTCCTT	429
(2) INFORMATION FOR SEQ ID NO:1324:	
<ul><li>(i) SEQUENCE CHARACTERISTICS:</li><li>(A) LENGTH: 494 base pairs</li><li>(B) TYPE: nucleic acid</li><li>(C) STRANDEDNESS: double</li></ul>	
(D) TOPOLOGY: linear	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1324:	
GGCACGAGCN CGCGTGGNTC GCGCACACGC AGCAGCGGCA CATACGGGAC TCGGTGAGCN	60
CGGCCTGGGA CACGTACGAC ACGGACCGCG ACGGGCGTNT GGNTTGGGAG GAGCTGCGCA	120
ACGCCACCTA TGGCCACTAC GCGACCGGTG AAGANTTTCA TGACGTGGAG GATGCAGAGA	180
CCTACAAAAA GATGCTGGCT CGGGACGAGC GGCGTTTCCG GGTGGCCGAC CAGGATGGGG	240
ACTCGATGGC CACTCGAGAG GAGCTGACAG CCTTCCTGTA CCCCGAGGAG TTCCCTCACA	300
TGCGGGACAT CGTGATTNCT GAAACCCTGG AGGTCCTGGA CAGAAACAAA GATGGCTATN	360
TCCAGGTGGA GGNGTACATC GCGGATCTGT ACTCAGCCGA GCCTGGGGAG GAGGAGCCGG	420
CGTGGGTTCA GACGGAGAGG CAGCANTTNC GGGACTTNCG GGATCTGAAC AAGGGTTNGG	480
CACCTTGATT GGGA	494
(2) INFORMATION FOR SEQ ID NO:1325:	
<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 160 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1325:	
GGCANAGCGG CAGANCANCC ACACAGAGAT GGAACATGAA GTGGCTTGCT TTGGACATCA	60
CCCCATTAGG TAGACAGCAA TGGACTGTCG CCTCTTTGTN CCATTGGCCT CTGGGACGGT	120
ACATCTCGNN CTCGTGATCT TGAAAGTTGC CCTNTTTTGN	160

(2) INFORMATION FOR SEQ ID NO:1326:(i) SEQUENCE CHARACTERISTICS:

(A) LENGTH: 343 base pairs(B) TYPE: nucleic acid(C) STRANDEDNESS: double(D) TOPOLOGY: linear

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1326: GGCANAGGCA AGAGTGTCGT GAACAGGNTC GGCTGCTTGG CTTGCTGATG CCATTTAGGG 60 CATTINGIGG IGTAAAGITC AAAIGGAGCA ITGACCIICA AAAGNGAGIG AIAGAAICIG 120 GCCCAGACCA GTTGGAATGA CAATGAGATA TACCAAGTTT ATTCCTCCTG AATTATCACA 180 CACCTCCTTA TCTCACTGGC TGAGGCANAG GTAACTTACC ACCGATTGAA GGCCACAGGA 240 TGAAGTTTCT GGTGTTGGCT ACTGGATGGG TTGTGGGAGA CTGATGTCAN GGGGCAGGNT 300 GTGGTTAGGA TTNTGGGTGA GTACCTAACT GGGCATGGNA TNC 343 (2) INFORMATION FOR SEQ ID NO:1327: (i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 225 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: double (D) TOPOLOGY: linear (xi) SEQUENCE DESCRIPTION: SEQ ID NO:1327: ACGAGCAGGC TATTCTTTGG AGAAGGTATT TGGGCTTCAA TTNAAGGAAA TTGATAAGAA 60 TGNCCANTNT TACANTCTTA TCAGCACCTT AGAGCCCACT TATGTCAGGN CATTCTCGGA 120 ACGNNCTAAG GTACTCACCC AAGCTGGGTC TGCTCATGGT GGCTTGCTTA AGCATCATCT 180 TCATGANNTG GTAAATCGGT CCNGTGGAGN CTGTCATGTG NGGAG 225 (2) INFORMATION FOR SEQ ID NO:1328: (i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 251 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: double (D) TOPOLOGY: linear (xi) SEQUENCE DESCRIPTION: SEQ ID NO:1328: GGCAGAGACT GACCACAGCC CATGAGCAGT TCAAGGCCAC CCTCCCTGAA TGCCGACAAG 60 GAGCGCCTGG CCATCCTGGG CATCCACAAT GAAGGTGTCC AAGAATTGTT TAGACCTACC 120 ACGTGCAATA TGGCGGGCAC CAACCCCTNA CACAACCATC ACGCCTCAGG AGATCAATGG 180 CAAATGGGNA CCACGTGCGG CACTNGTGCC TCGGNAGGGA CCAAGCTCTN ACGGAGGAGC 240

ATGCCCGNCA G	251
(2) INFORMATION FOR SEQ ID NO:1329:	
<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 322 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1329:	
GGGNGAATTT CAACAGNCAA CAAAAGAACC TTTCAGTGAG CNGTGCNGCT GCTTCTNTGG	60
CCAGTTCACG CTCTTCTGTA TTGAAAGACT CGGAATATGG NTGTTTGAAG TTTCCACCAA	120
GATGTANGTT TGATCATCCA GATGCAGATA AAACACTGAA TCACCTTATA TCGGGGTTTG	. 180
AAAANTTTGA AAAGNAAATC AACTACAGAT TCAAGANTAA GGCTTACCNT CTCCAGGCTT	240
TTACACATGC CTCCTACCAC TTACAATACT NTCACTGNAT TGGTTNACCA GCGCTTTAGT	300
AATTCCTGGG TNGATGCGAT TT	322
(2) INFORMATION FOR SEQ ID NO:1330:	
<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 337 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1330:	
	60
AGTTGTTCCG AGGTGACACA GTGTTGCTGA ANGGAAAGAA GAGACGAGAA GCTGTTTGCA	
TCGTCCTTTC TGATGATACT TGTNCTGNAT GAGAAGATTC GGAATGAATA GAGTTGTTCG	
GGAATAACCT TCGTGTACGC NTAGGGGATG TCATCAGCAT CCAGCCATGC CCTGATGTGA	
AAGTACGGCA AACGTATCCA TGTGCTGCCC ATTGATGGAC ACAGTGGTAA GGGCATTACT	
GGTAAATCTT CTTNCGAGGT TATTACCTTT AAGCCGTNAC TTTCCTGGGA AGCGTTATCC	300
GACCCCATCC GGNAAAAGGN GACCATTTTT TCTTNGT	337
(2) INFORMATION FOR SEQ ID NO:1331:	
<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 358 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1331:	
TGCAACAAAT GGTTTATAAC CTGCCGCCAG ACATTACGCT GGTGAAAGCC ANAGTCTTGC	60
TGATATGAAN CCGCAGTGNA TAACTTCTAC ACCGCCGAAA AACGCTGTGC CTGAATGCAC	120
CGCGTAATCC GTTCCGTGGC GTGAAAGCTG TGCAAACCGA NTAAACCGAT AGAACCTGTT	180
TATGCTAATC GCTTCTTTGA ANGTATTAAG CGAAAAGCAT TCAGCCAGAG CACGCTGATG	240
CGTTTACTTT CCAGCATCAG TGGGCAAGGC TGGGGGCAAN CAGCCCGANG CGGCGGAAGT	300
TTTANCGGTT AGCGCCAANT TAAAAGGCGT TACGGGTAAT GGGAATTGTT GCGGACCN	358
(2) INFORMATION FOR SEQ ID NO:1332:	
<ul> <li>(i) SEQUENCE CHARACTERISTICS: <ul> <li>(A) LENGTH: 197 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul> </li> <li>(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1332:</li> </ul>	
GGCAGAGCAA CCACGGTGTC GCAGGCCAAG GNAGTNCTGA GCGCCGAGCA GCTGCCAAGC	60
GAGGAGGTGC ACGCCGGCCT GGGCGAANCT GCTGTCCTCA CTCAGCAACT TGACGGCNCG	120
CAACGTGAAC CTGGATGCTG GGCAGCCGAC TGTTNCGGGA CCCAGCTCAN TAAGCTTTCG	180
	197
CTAATGAACT TCNTGNG	20,
(2) INFORMATION FOR SEQ ID NO:1333:	
<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 262 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1333:	
CNTGGTNAAC CTGCTCCATN AAACAGGTCC GTNAAAATNT TTAATGTGCG CAATGGAAGG	60
GCAGATCCTT ATCGCCGACC TCAGGGGTCA TGAAGGGTCC TGTTTGGCAA GTGGCCTGGG	120
CTCACCCCAT GTTACGGCAA CATCCTGGCA TCGTGCTCCT NTGAACCGGA AATCATTATN	180
TGGAGANAGG AAAACGGCAC TGGGAAGAAG AGCCACGAGC NGGGGGGACA CGANTCCTTC	240
ATTGAAANTC GGTGTGCTTG GG	262
(2) INFORMATION FOR SEQ ID NO:1334:	

(i) SEQUENCE CHARACTERISTICS:

<ul><li>(A) LENGTH: 197 base pairs</li><li>(B) TYPE: nucleic acid</li><li>(C) STRANDEDNESS: double</li><li>(D) TOPOLOGY: linear</li></ul>	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1334:	
CTCTGGAAGC ATTACTTCCA GANTNNCCCA GGGTCTTATT TTTTTGGTAG ATAGCAACGA	60
TCGTNAAAAN TTTCAGGAAG TAGCAGATGA CCTGCAGAAA ATGCCTTCTG GTAGGTGNAT	120
TTGAGNAGAT GGCAGTCCTG CTGACTTTTT NCAAACAAAC AGGNTTTGNC CAAATGCTAT	180
GGCCATCAGT GGAAATG	197
(2) INFORMATION FOR SEQ ID NO:1335:	
(i) SEQUENCE CHARACTERISTICS:  (A) LENGTH: 57 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: double (D) TOPOLOGY: linear  (xi) SEQUENCE DESCRIPTION: SEQ ID NO:1335:  GGCACAGGNA AAAAAAAAAA AAAAAAAAAA AAAAAAAAAA	57
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1336:	60
GGCCCCGTCC CGCCGCCCGC CCGCCAGCCA TGAGCTCGAC GCAGTTCAAC AAGGGCCCCT	120
CGTACGGGCT GTCGGCCGAG GTCAAGAACC GGCTCCTGTC CAAATATGAC CCCCAGAAGG	
AGGCAGAGCT CCGCACCTGG NTCGAGGGAC TCACCGGCCT CTCCATCGGC CCCGACTTCC	
AGAAGGCCT GAAGGATGGT AACTATCTTA TGCACACTGC ATGGAACAAG CTACAGCCGG	
GGTCCGTCCC CAAGATTCAN CCGGTACCAT GTCAGNAACT GGTCACCAGC TTAGTAAAAC	
CTGTNCCAAC TTTCATTCAA GGNCCATGGT GCAGGTTGGG GGATGNAACC CTGTGGAACC	360
TGTTTCNAGG NCCAAGAAC	379
(2) INFORMATION FOR SEQ ID NO:1337:	

(i) SEQUENCE CHARACTERISTICS:

(A) LENGTH: 332 base pairs(B) TYPE: nucleic acid(C) STRANDEDNESS: double

(D) TOPOLOGY: linear (xi) SEQUENCE DESCRIPTION: SEQ ID NO:1337: GGCACGAGGA CCCGAGTTCA CCAGCATCCC TGCCTGCTAC TGGTGGGCTG TNATCACCAT 60 GACGACGGTG GGCTATGGCG ACATGGTCCC CAGGAGCACC CCGGGACAGG TAGTGGCCCT 120 180 GAAGCAGCAT ACTGAGCGGC ATCCTGCTCA TGGNCTTCCC AGTCACCTCC ATCTTCCACA CCTTCTCCCG CTCCTACCTG GAGCTTCAAG CAGGAGCAAG AGAGGGTGAT GTTCCGGAGG 240 GCGCATTCCT CATCAAAACC AAGTNCGCAG CTGAGCGTGT CCCAGGGACA GTNAACATCT 300 332 TGTTACGGAA GTGACCTNCT NCGGNACACC AG (2) INFORMATION FOR SEQ ID NO:1338: (i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 445 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: double (D) TOPOLOGY: linear (xi) SEQUENCE DESCRIPTION: SEQ ID NO:1338: GGCAGAGCCA GTNTCCGCGC CTCCACCCAG CTCAGGAACC CGGGAAACCC TCTNTTGACC 60 ACTATGAAGC CTCCCGTCCA GCCGCGCGTC CCGTGTCCCG GGTCCTTCGG GCTCCTTGTG 120 CGCGCTGCTC GGCTGNCTGC TCCTGCTGAC GCCGCCGGGG CCCCTCGCCA GCGNCTGGTC 180 CTGTCTCTGC TGTGCTGACA GAGCTGCGTT GCACTTGTTT ACGCGTTACG CTGAGAGTAA 240 AACCCCAAAA CGATTGGTAA AACTGCAGGT GTTTCCCCGC AGNCCCCGCA NTGCTTCCAA 300 -GGTGGGAAGT GGTTAGCCTT CCCTGAAGAA CGGGGAAGCA AGTTTGTTTT GGACCCGGAA 360 GNCCCTTTTT TTTAAAGGAA AGTGCATNCC AGNAAATTTT TGGGACAATT GGNAACAAAG 420 445 AAAAAATTGG GTNAACCAAA AAAGG (2) INFORMATION FOR SEQ ID NO:1339: (i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 338 base pairs (B) TYPE: nucleic acid

(C) STRANDEDNESS: double
(D) TOPOLOGY: linear

GGCAGAGGGN AGCTCTTGGG GAGCCCGGAA AGCAGGGATC TCGGGGAGAC CCNGTGAATN	60
CAGGACCCCN TGGAGACTCT GGTACAGCCA GGCCCCAAGG GNAGACCCCG GNCAGGCCTG	120
GTTTCANCTT ACCCAGGACC CCGAGGNGCA CCCGGTAGAA AAAGGCGGAG CCCGGTNCCA	180
CGNGGCCCCG AGGGAAGGCC NAGGCGAACT TTGGTTTGAA AGGAGAACCT GGGTAGGTAA	240
AGGAGAGAAA GGTAGAGCCT NCGGTATTCC TGGTTCCCCC TGGTGNAGCC AGTTACCTTC	300
GGGGGGCCA AGTAGGTAGT TCCCANGGAC CTCGNAGN	338
(2) INFORMATION FOR SEQ ID NO:1340:	
<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 417 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1340:	
GGCANAGTGA ACGCCCACCT GCCGTTTGCT GTCATTGGCA GCACAGAAGA ACTGNAGATA	60
GGCAACAAGA TGATGAGGGC GCGGCAGTAT CCTTGGGGCA CTGTGCAGGT TGAAAACGAA	120
GGCCCACTGN GAACTTTNTG AAAGCTGCGG GAGAATGCTG ATTCGGGTCA ACATGGGAGG	180
ATCTGCGGGA GCAACTCCAC ACCCGGGCAC TATGNAGCTG TATCGCCGCT GTANCTGGNA	240
GGAGATGGGC TTCAAGGACA CCGACCCTGG ACAGCAAACC CTTCAGTTTA CAGGTGGACA	300
TATGNAGGCC AAAAGGAACG AGTTCCTAGG GGGAANTCCC AGNAAAAAAG AAGAGGNGAT	360
GNGGACAGTT GTTCGTTCCA GCGAGTTCAA AGNGGAAAGG AAGCGGGTTT CCAAAGG	417
(2) INFORMATION FOR SEQ ID NO:1341:	
<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 279 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1341:	
GGCANAGNAA ACACCCCCAT ATCAAAATGG TGATGGAAAG TGGGGACTGG ACTGGTTGGT	60
GGAGACCTTN AGGTGCTGGA GAAAATAAGA TGGAATGATG GGCTGGACCA ATACCNTCTG	120
AACACCTCTG GAGCTCNAAC AGAAATGTGA AAGGAAATGT AATNCTGATN CGGTGTTTGC	180
ATTCCAGTTG CGCAATCCTG TCCACAATGG CCATGNCCTT TTTGAATGCA TGACACTCGT	240

279

CGNAGTTCNC TNAGTAGAGG GGGCTACAAN CACCCGGTT

# (2) INFORMATION FOR SEQ ID NO:1342:

(i) SEQUENCE CHARACTERISTICS:

(A) LENGTH: 495 base pairs

(B) TYPE: nucleic acid

(C) STRANDEDNESS: double

(D) TOPOLOGY: linear

# (xi) SEQUENCE DESCRIPTION: SEQ ID NO:1342:

		•		•	and the second s	
GGCANGAGGG	ACAGCTAGCC	CTGCTGCCCG	GCTCCACTGT	GCTTCTGCCC	TTGGCCTGGG	60
CTGCTACGTG	GCTGCCGCTG	ACATCCAGGA	CCTGGTCTCT	TGCCTTGCCT	GCTTAGAAAG	120
TGTTTTCAGC	CGGTTCTATG	GCTTGGGGGG	CAGCTCCACA	AGTCCTGTGG	TTCCTGCCAG	180
CCTGCACGGC	CTGCTCTCTG	CTGCCCTGCA	GGCCTGGGNA	TTGCTGCTCA	CCATCTGCCC	240
TAGCACCCAA	ATGNAGCCAC	ATCCTTGACA	GGCAGCTGNC	CCGGCTGCCC	CAGNTNCTTG	300
TGCCAGTGGA	AAGTNTGAAC	CTGCGGATNG	TTGCCGGTGN	AAACATTGGC	ACTGCTCTTT	360
GAAGCTTGCC	CGGGAACCTN	GAGGAGGGAT	TTGTTTTTAG	GAGGACATGG	AGGNCCTTTG	420
CAATGTTCTG	GGGAATTTGG	GCCATTGANA	NTAACAATAC	CTTGNCAAGG	TTGATTCGTT	480
GGGGGCAAGG	TTNTA					495

## (2) INFORMATION FOR SEQ ID NO:1343:

- (i) SEQUENCE CHARACTERISTICS:
  - (A) LENGTH: 450 base pairs
  - (B) TYPE: nucleic acid
  - (C) STRANDEDNESS: double
  - (D) TOPOLOGY: linear

# (xi) SEQUENCE DESCRIPTION: SEQ ID NO:1343:

GGCAGAGGGC TC	TGTCATTG	ATTATNAACT	GATTGACCAA	GATGCTCGGG	AATCTCTATG	60
AACGCTGGAG TG	SAAGAGGAA	AGGAACTGAN	TGTTCCCAAG	TGGATCAGCA	TCATGAACCG	120
ANCGGANGGN CC	CCACCTCC	AGAAAGTATT	TGAATAGGTA	CAAGAGTTAC	AGCCCTTATG	180
AACATGTTGG GA	AAGCATCA	GGGAAAGAGG	TTAAAGGAGA	CCTGGGAAAA	TGCTTTCCTG	240
AACCTGGTTC AT	GGCATTCC	AGAACAAGCC	CCTGTGNTTT	GCTGATCGGC	TGTATGACTC	300
CATGGAAGGG NC	CAAGGGGAC	GCGAGATTAA	GGTCCNTGAT	TCAGAATTCA	TGGTCTTCCC	360
GCATTGAAGT TO	GNCCTGTT	TGGAAATTTA	GGTCTGGATT	TCAAGGGNAA	GTANGGGCAA	420
TTCCCTGTAC TT	TTATNTTC	CNGCAAGGCA				450

(2) INFORMATION FOR SEQ ID NO:1344:

(i) SEQUENCE CHARACTERISTICS:

<ul><li>(A) LENGTH: 366 base pairs</li><li>(B) TYPE: nucleic acid</li><li>(C) STRANDEDNESS: double</li><li>(D) TOPOLOGY: linear</li></ul>	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1344:	
GGCANAGCCC CTTTNTTGAA GCCAAAGAAG AGTTTGCTCA TAAGACCCTG GCAATGGATG	60
TNATGAAACC CCGGAGAAAT GATCCTTTGT TGACTGTCCT TACTCAGGAG AGTTATGTAC	120
TGTGGNAAGA TGTAGAGACC ATAATCAGTG GAACCACTTA CAGTGGCTTC CCAGTGGTGG	180
TATCCCGGGN AGTCCCAAAG ACTTGTGGGC TTTGTCCTCC GAAGAGATCT CATTGATTTC	240
AATTGGAAAA TGCTCGAAAG AAACAGGGTG GGGTTGTTAG CACTTCCATC ATTTATTTTC	300
ACGGGGCATT CTCCTCCATT GCCACCATAC AATNCACCCA TTNTAAAGNT TTGGGAANAT	360
NCTCGG	366
(2) INFORMATION FOR SEQ ID NO:1345:	
(i) SEQUENCE CHARACTERISTICS:  (A) LENGTH: 146 base pairs	
(C) STRANDEDNESS: double (D) TOPOLOGY: linear	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1345:	
GGCAGAGTAA AAGCAGACAA CCAGAGGCTA AAGGNTGAAA ATGGGGCCTT GATCAGAGTT	60
ATAAGCAAAC TTTCCAAATA AAAAAAAAAA AAGCAGCANG NAATGGTGTT GCACATATTA	120
GTAACCCAGT GGAACCATAN TTNGTN	146
(2) INFORMATION FOR SEQ ID NO:1346:	
<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 369 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1346:	
GGCAGAGCNA GGNGCCAGTC GTGTGAGTCC AATCCTAACC TGGGCTATCC CTGCAATCAT	60
GTCATGCTCT CCTGCTGTGA AGGGTGAAGA GCCTCTCATA GTACCTGAAG GTTCGCCGAC	120
	(B) TYPE: nucleic acid (C) STRANDEDNESS: double (D) TOPOLOGY: linear  (xi) SEQUENCE DESCRIPTION: SEQ ID NO:1344:  GGCANAGCCC CTTTNTTGAA GCCAAAGAAG AGTTTGCTCA TAAGACCCTG GCAATGGATG TNATGAAACC CCGGAGAAAT GATCCTTTGT TGACTGTCCT TACTCAGGAG AGTTATGTAC TGTGGNAAGA TGTAGAGACC ATAATCAGTG GAACCACTTA CAGTGGCTTC CCAGTGGTGG TATCCCGGGN AGTCCCAAAG ACTTGTGGGC TTTGTCCTCC GAAGAGATCT CATTGATTTC AATTGGAAAA TGCTCGAAAG AAACAGGGTG GGGTTGTTAG CACTTCCATC ATTTATTTTC ACGGGCATT CTCCTCCATT GCCACCATAC AATNCACCCA TTNTAAAGNT TTGGGAANAT NCTCGG  (2) INFORMATION FOR SEQ ID NO:1345:  (i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 146 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: double (D) TOPOLOGY: linear  (xi) SEQUENCE DESCRIPTION: SEQ ID NO:1345:  GGCAGAGTAA AAGCAGACAA CCAGAGGCTA AAGGNTGAAA ATGGGGCCTT GATCAGAGTT ATAAGCAAAC TTTCCAAATA AAAAAAAAAA AAGCAGCANG NAATGGTGTT GCACATATTA GTAACCCAGT GGAACCATAN TINGTN (2) INFORMATION FOR SEQ ID NO:1346: (i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 369 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: double (D) TOPOLOGY: linear  (xi) SEQUENCE CHARACTERISTICS: (A) LENGTH: 369 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: double (D) TOPOLOGY: linear

CTCCAGAGNC CGCAGNTGCA CCACGGAGAG TTTCAGAGGC AGAGATGGCG GGCCGAGAGC

TCGNTTCACT GGGCACAGAG GCCGAGCTGC CGAACAGNCT GCCGGGCGAT GTACCAGGAT	240
GAGTGCCTTC TCCTNCCGGG GNGAGCTGTG CCAGCACCTT TGGCATCAAT AATTGTGGGT	300
TTTTTACCAT GTGGCTGGTT TTTCCTGGGT TTTTCAATGG CAGNACGNTG GGCCGCAATT	360
NTNCGNCCA	369
(2) INFORMATION FOR SEQ ID NO:1347:	
<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 425 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	· .
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1347:	
GGCAGAGGNA GGGGAGGCTC CAGCCCTCGG NAGTAAATAT CTTCCCTTCC AACCTGGTGT	60-
CAGCAGCCTT TCGCTCATAC TCTACCACCT ATGAAAGAGA GGAATATCAC CGGAACCAGG	120
GTGAAGGTGC CCGTGGGGCA GGAAGGTGGA GGGGATGAAC ATCCTGGGCC TTGGTAGTGT	180
TTGCNATCGT CTTTGGTGTG GCGCTGCGGA ACTGGGGGCC TGAAGGGGAA GCTGCTTNTC	240
CGCTTNTTNA ACTCCTTTNA ATGAGGCCAC CATGGTTCTG GTCTCCTGGA TCATGTGGTA	300
CGNCCCTGTG GGCATNCATG TTTCTGGTGG CTGGCAAAAT TCTGGAGATG GAGGATGTGG	360
GTTNATCTTT TGCCCGCCTT GGNAATAACA TTTGTGCTGC CGTTGGTNAA GGCATCCNGG	420
GNTCC	425
(2) INFORMATION FOR SEQ ID NO:1348:	
<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 338 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1348:	
GGCACGAGTG GAGGCCTTTA ACTTTAACGA GTACCAGCCA GAAATGCTCG AAAAGTTCCG	60
GAACATGCNC NGCAGCACCC CTACGTCCTC ACGGAGGACA CCCTGAAAGG TCTACCTGAA	120
NCAAGTTCAG ACAGTCCTCG CCGGACAGNG TGAAAGGTGG TCATTNNATT TTNCTGNTGG	180
AGCAGACGGA GAATCTGGCT GATTTACACA GNGGCATCTG AGAAACCTCC GCCAAGAAAG	240
GAGTCCGTGC CCTTGAATCC TGGTGGGCCT TGAAACGANN TGGTTCAACT TGGAAGCGGC	300

TTAATGCATC TGGNGTTTGG GNGAGGGTTT ATGTNTGA

(2) INFORMATION FOR SEQ ID NO:1349:	
<ul><li>(i) SEQUENCE CHARACTERISTICS:</li><li>(A) LENGTH: 123 base pairs</li><li>(B) TYPE: nucleic acid</li><li>(C) STRANDEDNESS: double</li></ul>	
(D) TOPOLOGY: linear	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1349:	
GAACCCACTN AGGNGACACC AATCTTNGAC TTCCAGATGG AACATGACAT CNATAAAAAG	60
GNAAAGTGAT GGCATCTATA TCATAAATCT CAAAAGGACC GGGAGAAGNT TCTGCTGGNC	120
AGC	123
(2) INFORMATION FOR SEQ ID NO:1350:	
(i) SEQUENCE CHARACTERISTICS:	
(A) LENGTH: 95 base pairs (B) TYPE: nucleic acid	
(C) STRANDEDNESS: double	
(D) TOPOLOGY: linear	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1350:	
GGCANAGCCT GGNTTAAANG GACACAATAG ATTTCAAGGT CTACCTGGTA TCGCTGGTCA	60
CCATGGNGAT TTATGGTGCT NGTGGTTCCG TGGGA	95
(2) INFORMATION FOR SEQ ID NO:1351:	
(2) INICIALITION FOR ONE IN NOTICE.	
<ul><li>(i) SEQUENCE CHARACTERISTICS:</li><li>(A) LENGTH: 236 base pairs</li><li>(B) TYPE: nucleic acid</li></ul>	
(C) STRANDEDNESS: double (D) TOPOLOGY: linear	
(D) TOPOLOGI: Tillear	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1351:	
GATACTCTAA CCGTTTTAGT AGTCGCAGCC TCGAAATGAT AGACGAAATG CTCCACCTGT	60
AAGANCAGAA AATCGTCTTA TAGTTGAGAA ATTTATCCTC AAGAGTCAGC TGGGCAGGTT	120
TGTTGAAATA CAGTTTTGAA GTTATTTTGN ATGTGGCTTT TTAAAAAAGT TTANTGGGTA	180
GCTCAATGTT GTATTGTTTT ATTAAANGTA GTTTTGAANT TAATGGGTTT NATGGG	236
(2) INFORMATION FOR SEQ ID NO:1352:	
<ul><li>(i) SEQUENCE CHARACTERISTICS:</li><li>(A) LENGTH: 243 base pairs</li><li>(B) TYPE: nucleic acid</li></ul>	

(C) STRANDEDNESS: double
(D) TOPOLOGY: linear

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1352:	
GGNACGAGGT CTGGCTCCCG TCCCCGCAAG CAACCACCCC GGAAGCACAC TCGTNCCTGG	60
NCTGTCCTGA AGCTGCTGCT GCTGCTGCTG CNATTTGGTG TGGCGGGAGG GCTGGTTGCT	120
TGTGGGGTGA NAAAGCTGCA GCAGCACCCC CTCTGCNACC AGCNTGAAAC ACCATCTTAT	180
GAANAATGNG GGTCCAGGGT CTACGCCGCC ATNAGATTCC TCCAGTGGGT CCTCCAAACC	240
GAA	243
(2) INFORMATION FOR SEQ ID NO:1353:	
<ul> <li>(i) SEQUENCE CHARACTERISTICS: <ul> <li>(A) LENGTH: 217 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul> </li> <li>(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1353:</li> </ul>	
AAGGAACCTC TGAGAAACTT AAGGTTGACA GNTNTNTCCA GCCCTNNACC TGCCTAGTCC	60
TGGGCCCTGG CCCTTTTTTT TGGTGAAGGG TCTGCTGTGC ACCATCCCCC ATNCCTAACG	120
TGGGCCCACC TGGCCTACAA ATTTCGGGGT GAGNGGTGTT TAAGNCAGGT GGCGGAGGGT	180
TTCCAAGGGA CCGAAANGTG GTTTTTCAA CCNTNTG	217
(2) INFORMATION FOR SEQ ID NO:1354:	
<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 321 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1354:	
GGCACGAGCG GACCTTCATC ACCATTGGAG ACAGAAACTT TGAGGTGGAG GCTGGTGACT	60
TGGTGACCAT CTCAGAACTG GGCCGTGGAG CCTATGGGGT GGTAGAGAAG GTGCGGCAGG	120
CCAGAGCGGG CACCATCATG GGNCGTGAAA GCGGATTCCG GGCCACCGTG NAACTCACAG	180
GAGCAGAAGC GGCTGCTTCA TGGGACCTGG NACATCAACA TGCGCACGGT TCGGACTGTT	240
TTCTAACACT GNTCACCTTC TNACGGGGTC ACTTATTTCA GAGAAGGGTG GACGTGTGGG	300
ATCTNNCATG GNAGCTTCAT G	321

## (2) INFORMATION FOR SEQ ID NO:1355:

## (i) SEQUENCE CHARACTERISTICS:

- (A) LENGTH: 486 base pairs
- (B) TYPE: nucleic acid
- (C) STRANDEDNESS: double
- (D) TOPOLOGY: linear

## (xi) SEQUENCE DESCRIPTION: SEQ ID NO:1355:

CGGTTGCGCA ATGGGI	NGAAT ACTTCCGTGA	CCGCGGTGGA	AGATGCGCTG	GATCATTTAC	60
GATGACCTGT CTAAAG	CAGGC TGTTGCTTAC	CGTCAGATCT	CCCTGCTGCT	CCGTCGTCCG	120
CCAGNNGAGA GAGGGA	ATTCC CGGGNCGAAC	GTTTTCTACC	TCCACTCTCG	TCTGCTGGAG	180
CGTGCTGCAC GTGTT	AANCC GGAATACGTT	GAAGCCTTCA	CCAAAGGNAG	ATGGGAAAGG	. 240
GGAAAACCGG TTCTN	TGNAC CGCACTGCCG	ATTATCCGAG	ACTCAGGCGG	GTGACGTTTC	300
TGCGTTCGTT TCCGA	CCAAC GTAAATCTTC	CATTANCGAT	GGTTCAGANC	TTNCTGGGAA	360
ANCAAACTGT TTCAA	GGCCG TTATTTCGTC	CTGNGGTTTA	ACCCGGTTAT	TTTCCGTATN	420
CCGTGTTTGG TGGGT	GCAAG NAAAGNCCCA	GGTTCATGGA	AAAAAATGTT	CCGNGGGTAT	480
TCCGTA		•			486

#### (2) INFORMATION FOR SEQ ID NO:1356:

## (i) SEQUENCE CHARACTERISTICS:

- (A) LENGTH: 447 base pairs
- (B) TYPE: nucleic acid
- (C) STRANDEDNESS: double
- (D) TOPOLOGY: linear

## (xi) SEQUENCE DESCRIPTION: SEQ ID NO:1356:

GGCANAGGGA TACACTCCCT	TGATGGAAGC	TGCCCGGGAA	GGACATGAAG	AAATGGTGGC	60
ACTACTCTTA GCACAAGGAG	САААТАТААА	TCCCCAGACA	GAAGAAACTC	AAGAAACTCC	120
TCTTACTTTG GCTTGCTGTG	GAGGATTTCC	TGGAAGTTGC	AGACTTTCTT	ATTAAGGCAG	180
GGGCTGATAT AGANCTTGGC	TGCTCCACAC	CTCTGNATGG	AGGCATCTCA	GGAGGGACAC	240
CTGGGAATTG GTTAAATATT	TCCTGGCTTC	TGGCGCTAAA	TGTGCCATGG	TNACAACAGC	300
AACAGGGGGA CACAGCCTTN	AACCTATGCT	TGTGNAAAAT	GGGACATACG	GATGTTGCAG	360
ATGTTTTACT TCAAGCAGGG	GTTGNTTTTA	GACAAGCAGG	NGGGNCATGA	AGACTATTTT	420
GGAGGGCNAG ATCCGGCCAG	NTCAGTG				447

## (2) INFORMATION FOR SEQ ID NO:1357:

<ul><li>(i) SEQUENCE CHARACTERISTICS:</li><li>(A) LENGTH: 359 base pairs</li><li>(B) TYPE: nucleic acid</li><li>(C) STRANDEDNESS: double</li><li>(D) TOPOLOGY: linear</li></ul>	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1357:	
GGCACGAGCT CAACTCAGCA GGCAAGATGG ACAAAATGAG GTTATTGAAC ATCCTAATGC	60
AGTTGNGAAA ATGTTGTAAT CATCCATATC TCTTTGAATG GAGCAGAACC TGGTCCACCT	120
TATACAACAG ATATGNCATC TAGTAACCAA CAGTGGGCAA AATGGTGGTT TTAGACAAGC	180
TGCTCCCTAA GTTAAAAGAA CAAGGTTCAC GAGTACTNAA TCTTNAGTGC AAATGACAAG	240
GGTATTGGGA CATTTTGGAA GGTTATTGGC ATGTGGGNGA AATTNTGAGT ACTGCCAGGT	300
TGGGATGGTT CAGACANCCC ATGATGNGGA GNCAAGACTC CTTCAATGCC TTACAATGG	359
(2) INFORMATION FOR SEQ ID NO:1358:	
<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 101 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1358:	
AAATCCCTGN CCAGAACCAC CATTGTAAAC ACGGCAAGTT TGGCAAGTTG GGNTGNGGAA	60
CAACACCCC ATGTGGCGTT TNCCCAGGAC CCCACCANTT G	101
(2) INFORMATION FOR SEQ ID NO:1359:	
<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 104 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1359:	
ACGTGAAAGC ACCGTAAAGC CGCTGCCNCC NCGCCGTTGG AATTTCCCTG AGGGGCAGGN	60
TACATCAAGG GCATCGTNAA GNACATCATC CAGAACCCGG GCCG	104
(2) INFORMATION FOR SEQ ID NO:1360:	
<ul><li>(i) SEQUENCE CHARACTERISTICS:</li><li>(A) LENGTH: 359 base pairs</li><li>(B) TYPE: nucleic acid</li></ul>	

(C) STRANDEDNESS: double
(D) TOPOLOGY: linear

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1360:	
AGCGCGGCCG GCCGGGNGCT TCGTGGCGGG GCTTGGNAAG GTGCGGCCCT ACTCCGTCTA	60
CCTCTTCAGC TTCTCCATGT TCTTNAACGG CCTCGCGGAC CTGGCGGGCT CTACGGCGGG	120
CAACTACGGC GGCCTCGTGG TCTTCTGCAT CTTCTTTGGC ATCTCCTACG GCATGGTGGG	180
GGCCCTGCAG TTCGAGGTGC TCATGGCCAT CGTGGGCACC CACAAGTTCT CCAGTGCCAT	240
TGGGCTGGTG CTGCTGATGG AGGCGGTGGG CCGTGNTNCG TCGGGCCCCC TTTCGGNAGG	300
TAAAATTCCT TGGATGCAAC CCAAGTTTTA CANGTAAGTN TTTCAATCTT GGCGGGGG	359
(2) INFORMATION FOR SEQ ID NO:1361:	
<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 68 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1361:	
GGCAGAGCCC NNNGGGCAAG AAGTGGCACG NGGAGCACTT TATTTGTCCC AANTGTAAGT	60
AGCCATTC	68
(2) INFORMATION FOR SEQ ID NO:1362:	
<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 301 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1362:	
TGCANAGGTC CAGGGCCCTA GCTGTGACCG CTGTGCCCCC AACTNCTGGA ACCTCACCAG	60
TGGCCATGGT TGCCAGCCTT GTGCCTGCCA CCCAAGCCGG GCCAGAGGCC ATCCTGCAAC	120
GAAGTTCACA GGGCAGTGCC ACTGCGGTGC CCGGCTTTTG GAGGGNGGAC TTGTTCTGAA	180
GTGCCAAGAA GCTCCACTGG GGAGACCCTG GGTTGCAGTG CCATGCCTGT GAATTGTGAA	240
CTCTGGTGGG AATTAGGATA ACACCTTCAG TNTGNAACCG NTTTCACAGG TTCAATGNCN	300
A	301
(2) INFORMATION FOR SEQ ID NO:1363:	

<ul><li>(i) SEQUENCE CHARACTERISTICS:</li><li>(A) LENGTH: 111 base pairs</li><li>(B) TYPE: nucleic acid</li><li>(C) STRANDEDNESS: double</li><li>(D) TOPOLOGY: linear</li></ul>	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1363:	
GGCACAGCTT GCCTGCCCTG TGTCGTAAAA TGGGGGTCCC TTACTAACAT TATCAAGGGN	60
GNAGGCANGA CTGGGACGGC TAGTCANNAG GAAGACCTGG CACCACTGTC G	111
(2) INFORMATION FOR SEQ ID NO:1364:	
<ul><li>(i) SEQUENCE CHARACTERISTICS:</li><li>(A) LENGTH: 58 base pairs</li><li>(B) TYPE: nucleic acid</li><li>(C) STRANDEDNESS: double</li><li>(D) TOPOLOGY: linear</li></ul>	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1364:	
GGCACGAGGT TTTTTTTTT TTTTTTTTT TNAAAAAAA NAANCCCTTT TTTNAANG	58
(2) INFORMATION FOR SEQ ID NO:1365:	,
<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 428 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1365:	
NAGCTTGCTG ATGTAAACAA CATTGGAAAA TACAGATCTG CAGGAGCATG TACAGCTGCA	60
GCATTCCTGA AGAATTTCGT AACTNATCCT AAGTGGGCAC ATTTAGACAT AGCAGGCGTG	120
AATGACCAAC AAAGAATGAA AGTTCCCTAT CTACGGAAAG GCCATGANTG GGAAGGCCCA	180
CAAGGACTCT NATTGAGTTC TTACTTCGTT TCAGTCCAAG ACAATGCTTA GTTCCGATTA	240
CTCCAAAATG TCTTCACTCT GTNTTAAATT GGNCAGTTGA CTTAAAGGTT TTTGATTAAN	300
TGGGTTGGAA ATTTTTTAA CGGGGGCCAA GGGTTGGTTT TTTAAAAATT TGGGGCCCCC	360
ATGAAATTGG TTGCCCCGAT TTTTTTTTTN CCATTTNCCC CCCGGTTTTT TAANGGNAAN	420
GTTAATTC	428
(2) INFORMATION FOR SEQ ID NO:1366:	

(i) SEQUENCE CHARACTERISTICS:

(A) LENGTH: 309 base pairs(B) TYPE: nucleic acid(C) STRANDEDNESS: double

(i) SEQUENCE CHARACTERISTICS:

(A) LENGTH: 135 base pairs(B) TYPE: nucleic acid(C) STRANDEDNESS: double(D) TOPOLOGY: linear

(D) TOPOLOGY: linear (xi) SEQUENCE DESCRIPTION: SEQ ID NO:1366: GGACTTTTGC CGTCAGNTGA AAAGTGTGAT TATTACTTTA GTGTGGATGC AGATNTTGTT 60 TTGACAAATC CAAGGACTTT AAAAATTTTN ATTGANCAAA ACAGAAAGAT CATTGCTCCT 120 CTTGTAACTC GTCATGGAAA GCTGTGGTCC AATTTCTGGG GAGCATTGAG TCCTGATGGT 180 TACTATGCAC GATCTGAAGA TTATGTGGNT ATTGTTCAAG GGAATAGAGT AGGAGTATGG 240 GAATGTGCCC ATGTTATGGG CTNAATGTGT ACTTGAATTG ANNGGAAAGA CACTNCGNTT 300 309 CAGAGGTGA (2) INFORMATION FOR SEQ ID NO:1367: (i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 504 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: double (D) TOPOLOGY: linear (xi) SEQUENCE DESCRIPTION: SEQ ID NO:1367: TGACCGANAA NGGACAAGTC GTGTCCCCCG TGTGCCGTCA GACTANGGAC CCGGGTGCAG 60 AATCGGCANA GGTCGGGGTT CCTGNTCAAC AGTGCTTGGA CGGACCCGCG TCGTCCCCAC 120 CCCGGCCGC GCCATAGCAG CTCCGNACCT CTTCACCGAC CCTCGGCTGC CCAAGCCCCG 180 NGCGTCCAGG NCGCGANNAC CGCGCGCGCG CTCTCTTAGT CGCGCATGAC GCCGCGCCAC 240 CTCGCAGTGC GCAGAACTAC CACCAGACTC ANAGGCGCAT CACCGCAGAT CAACCTNGAG 300 -TCTACGNTCT ACGTTACTGT CATGTNTACT ACTTAACGGA TGATGTGCTT GAGACTTGCA 360 ATANTTCTCA CATCTATGAG AGAGGACATC TAGAACTGTG AGTNAGACCA CGAGTGNCGA 420 TCTCTTCAGN TACAGAACAG CTGTATGCTG GAGGGGGTGA TGATGAGTTG ATAATTGAAA 480 504 ATGTATNANC ANTATGACTG AAAC (2) INFORMATION FOR SEQ ID NO:1368:

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1368:	
CCNAGGTCAT CTTGAATTNG ATGCGCTACA NGCAGACGGT TGGNCATCTG GTCCNTGGGC	60
TGCATCATGG CGGAGATGTT CACAGGCAAG ACGCTGTTCA AGGGGCAGTG AANCACCTGN	120
AACCAGGTGN AAGGT	135
(2) INFORMATION FOR SEQ ID NO:1369:	
<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 280 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1369:	
TAAAGCTCNT CACAGTTTTA CAGCAGAGAC CAGTNATGAC TTATCATTCA ANAGGGGNGA	60,
CCGGATCCAA ATTCTGGAAC GTCTGGATTC TAACTGGTGC AGGGGCAGAC TGCAGGTACA	120
GGGAGGGGAT CTTCCCAGCA GTGTTTGTGA AGGCCCTGCC CAGCTGAGGC AAAAAGTATG	180
TTGGCCATAG TTACCGAAGG GNTTGAAAGG CCAAAGCCTT ATATGAATTT CCGAGGGGNG	240
ANTGANGATG GAACTTTTCC TTTCAAGGGC TTGGGGGNTG	280
(2) INFORMATION FOR SEQ ID NO:1370:	
<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 353 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1370:	
AGGGATGANT TGTTTACCTC TAAAATCTTT AAACTGGAGC TGCAGAACGT NCCTCGCCAC	60
GCNAGCTTCA GCAACGTCCG GCGCTTCCTG GGCCGCTTTG GTCTGCAGCC CCACAAAACC	120
AAACTCTTTG GGGCAACCAC CCTGTGNCCT TTTTGAACAT TCCGCAGCGC TGCAGAGAAG	180
GGACAAGGCC CTGCGNCGTT TTGCATGGTG CCCTCTGGAA AGGCNGCCCA CTCAGTGTGC	240
GCCTGGCCCG GCCCAAGGCG GACCCCATGG CCAGGNGGAG GCGACAGGNG GGTGAAAAGT	300
NAAGCCACCA GTAACACGAG TGNGACGACG TGGGTGAACC CTTCCTTGGG NCA	353
(2) INFORMATION FOR SEQ ID NO:1371:	
<ul><li>(i) SEQUENCE CHARACTERISTICS:</li><li>(A) LENGTH: 454 base pairs</li><li>(B) TYPE: nucleic acid</li></ul>	

(C) STRANDEDNESS: double (D) TOPOLOGY: linear (xi) SEQUENCE DESCRIPTION: SEQ ID NO:1371: AGCGGCGCGT GCCCAGCAAN TTNCAGCGCC CGCGGCTCGT GAAGCAATAT GTTCTTCGTT 60 AAGGATGTGC TCAAGCTGAT GGCGAATTTC CTCGANATCC AGCGCCTTGA GATGAAATTN 120 CAGACAGCGT GACAAAATCN TCACCGGCAA TTTCTNTGGA TCGGTCGTCG CCAGCAGAAA 180 CTTAACGTGC TCCGGCGGCT CTTCAAGGGT TTTTAACAGT GCCGTTAAAG CTGTGGCGCG 240 GACACATGAT GCACTTCGTC GATNCAGATA AACTTTGAAA CGACCACGCG CCGGAGCGTA 300 ACTGGGACGT TTATCCAGCA GGTTCGCGGG TTTCTTTCAA CTTTGGTGCG CGAGGCGGCG 360 TCGATTTTCA ATCCAGATCG ACAAAGCGGC CCCTGCTTCG TTTTCACGAC ATTATTCGNA 420 454 CAAGTCGNAA GNGTCGNGGG TNAATGCCCG TTTT (2) INFORMATION FOR SEQ ID NO:1372: (i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 466 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: double (D) TOPOLOGY: linear (xi) SEQUENCE DESCRIPTION: SEQ ID NO:1372: CCCAAGGNGC TCCAGGTNTG GTTGCAGGAN TACCGCCNCG ATAGTGGAGA GGAGGCCGTA 60 ACCCTTGNAG AAGACTTGGA AGCTTAATTT ATCAGGACAA CAGGTCCCAG GTCAAGTNCA 120 TGGACCTNAA ATGCTCGNAA GGGGGATGGT GCCTCTGGAT CCATTTCAGG AGTCCTCNAG 180 CTTTAACCTT CATCACGAAG GCCACCCAGT CCCACTTCAA ACATTCGTTT CGGAAAACCC 240 CGCCTTTTAA CAGTNCACNA GCTCTTGCCT GCTTGCCCAC ATNCCTGCAC CCCNGCATGA 300 AGGGTANTTC CCAGAGAACC AGGCGATGGG CATTGCCANT ATTTCACAGC GGATTTCCCA 360 GGCATGGTGG AAGATCGAGG ACNGGCTGTT NTCCTCANTC TGGAGGAATG GGGATTNAAG 420

466

## (2) INFORMATION FOR SEQ ID NO:1373:

- (i) SEQUENCE CHARACTERISTICS:
  - (A) LENGTH: 500 base pairs

ANTTGGGTTC GGAGGNATTT TCATAGGGGN CAACAGGCAG AGATTA

- (B) TYPE: nucleic acid
- (C) STRANDEDNESS: double
- (D) TOPOLOGY: linear

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1373:	
AAAAAGAAAG ACTCACATTT ACAAGAGGCA GATNTCCAAG TAGAGCAGAA CCGGCAACAC	60
TTCTATNANC TGTCTCTCGA GTATGTNTGT AAGCNGCAGG AAATCCAAGA AAGAAAGAAG	120
TTTNANTTTG TGGAACCTAT GCNGTCATTT TTNNAGGGGA TGTTTACCTT CTATCATCAG	180
GGCCATGAAC TTGCCAAGAA CTTCAATCAC TACAAAATGG AACTACAGAT CAACATTCAG	240
AATACACGGA ATCGATTTGA AGGAACAAGG TCAGAAGTGG AAGAGCTCAT GANCAAAATC	300
CAGNCAGTTC CCAAGGNCCA CAAACGAGCA AGTCAGTTTA CAGCCGAGTT ACCTGTTTGT	360
GCCAGGAAAA AGGCCTGCTC CNTTTGGTTC CATTGGGTTC AANCATTTTT GCCNGTTTTC	420
GAAAGCAGCA AGGNAGTTCC ANCTGTTCCC CTTTTAGGCA CCGTTTTGGT GGGGAATTNG	480
GGGNCGGNGA GGTGTTCTTT	500
(2) INFORMATION FOR SEQ ID NO:1374:	
(i) SEQUENCE CHARACTERISTICS:	
(A) LENGTH: 351 base pairs (B) TYPE: nucleic acid	•
(C) STRANDEDNESS: double	
(D) TOPOLOGY: linear	
i e de la companya d	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1374:	,
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1374:  NTACGTCGCT CCNACCTNCT GGCTGNCTAG GGGGAACTCT CCCCCAGCGA AAAGGACATC	60
	60
NTACGTCGCT CCNACCTNCT GGCTGNCTAG GGGGAACTCT CCCCCAGCGA AAAGGACATC	
NTACGTCGCT CCNACCTNCT GGCTGNCTAG GGGGAACTCT CCCCCAGCGA AAAGGACATC  AAGAAGATCT TGGACAGNTG GGTATCGAGG CGGACGACGA CCGGNTCAAC AAGGTTATCA	120
NTACGTCGCT CCNACCTNCT GGCTGNCTAG GGGGAACTCT CCCCCAGCGA AAAGGACATC  AAGAAGATCT TGGACAGNTG GGTATCGAGG CGGACGACGA CCGGNTCAAC AAGGTTATCA GTNANTGAAT GGAAAACNTG AAGAGTCNTG CCAGGTTTGG CANCTTGNNA TTTACCTCTG	120
NTACGTCGCT CCNACCTNCT GGCTGNCTAG GGGGAACTCT CCCCCAGCGA AAAGGACATC  AAGAAGATCT TGGACAGNTG GGTATCGAGG CGGACGACGA CCGGNTCAAC AAGGTTATCA GTNANTGAAT GGAAAACNTG AAGAGTCNTG CCAGGTTTGG CANCTTGNNA TTTACCTCTG GTGGGGTGTA GCGTNTNGCT GCCCGGTCTG CAGCCTGTGT GGTTNTCCCT GCTGCAGANA	120 180 240
NTACGTCGCT CCNACCTNCT GGCTGNCTAG GGGGAACTCT CCCCAGCGA AAAGGACATC AAGAAGATCT TGGACAGNTG GGTATCGAGG CGGACGACGA CCGGNTCAAC AAGGTTATCA GTNANTGAAT GGAAAACNTG AAGAGTCNTG CCAGGTTTGG CANCTTGNNA TTTACCTCTG GTGGGGTGTA GCGTNTNGCT GCCCGGTCTG CAGCCTGTGT GGTTNTCCCT GCTGCAGANA GGAGAGNAAG TGAGAGAGA GGAGTCTGAA GGTCAGTGT ACNNGGATTG GCNTTTGATT	120 180 240 300
NTACGTCGCT CCNACCTNCT GGCTGNCTAG GGGGAACTCT CCCCAGCGA AAAGGACATC  AAGAAGATCT TGGACAGNTG GGTATCGAGG CGGACGACGA CCGGNTCAAC AAGGTTATCA GTNANTGAAT GGAAAACNTG AAGAGTCNTG CCAGGTTTGG CANCTTGNNA TTTACCTCTG GTGGGGTGTA GCGTNTNGCT GCCCGGTCTG CAGCCTGTGT GGTTNTCCCT GCTGCAGANA GGAGAGNAAG TGAGAGAGGA GGAGTCTGAA GGTCAGTGTG ACNNGGATTG GCNTTTGATT ANNTCTGTCC CTGCAATAAA GCTTTTACAC TCTCAAAAAA AAAAAAAAA T  (2) INFORMATION FOR SEQ ID NO:1375:  (i) SEQUENCE CHARACTERISTICS:	120 180 240 300
NTACGTCGCT CCNACCTNCT GGCTGNCTAG GGGGAACTCT CCCCCAGCGA AAAGGACATC  AAGAAGATCT TGGACAGNTG GGTATCGAGG CGGACGACGA CCGGNTCAAC AAGGTTATCA GTNANTGAAT GGAAAACNTG AAGAGTCNTG CCAGGTTTGG CANCTTGNNA TTTACCTCTG GTGGGGTGTA GCGTNTNGCT GCCCGGTCTG CAGCCTGTGT GGTTNTCCCT GCTGCAGANA GGAGAGNAAG TGAGAGAGGA GGAGTCTGAA GGTCAGTGTG ACNNGGATTG GCNTTTGATT  ANNTCTGTCC CTGCAATAAA GCTTTTACAC TCTCAAAAAA AAAAAAAAA T  (2) INFORMATION FOR SEQ ID NO:1375:  (i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 397 base pairs	120 180 240 300
NTACGTCGCT CCNACCTNCT GGCTGNCTAG GGGGAACTCT CCCCAGCGA AAAGGACATC  AAGAAGATCT TGGACAGNTG GGTATCGAGG CGGACGACGA CCGGNTCAAC AAGGTTATCA GTNANTGAAT GGAAAACNTG AAGAGTCNTG CCAGGTTTGG CANCTTGNNA TTTACCTCTG GTGGGGTGTA GCGTNTNGCT GCCCGGTCTG CAGCCTGTGT GGTTNTCCCT GCTGCAGANA GGAGAGNAAG TGAGAGAGGA GGAGTCTGAA GGTCAGTGTG ACNNGGATTG GCNTTTGATT ANNTCTGTCC CTGCAATAAA GCTTTTACAC TCTCAAAAAA AAAAAAAAA T  (2) INFORMATION FOR SEQ ID NO:1375:  (i) SEQUENCE CHARACTERISTICS:	120 180 240 300
NTACGTCGCT CCNACCTNCT GGCTGNCTAG GGGGAACTCT CCCCCAGCGA AAAGGACATC  AAGAAGATCT TGGACAGNTG GGTATCGAGG CGGACGACGA CCGGNTCAAC AAGGTTATCA  GTNANTGAAT GGAAAACNTG AAGAGTCNTG CCAGGTTTGG CANCTTGNNA TTTACCTCTG  GTGGGGTGTA GCGTNTNGCT GCCCGGTCTG CAGCCTGTGT GGTTNTCCCT GCTGCAGANA  GGAGAGNAAG TGAGAGAGGA GGAGTCTGAA GGTCAGTGTG ACNNGGATTG GCNTTTGATT  ANNTCTGTCC CTGCAATAAA GCTTTTACAC TCTCAAAAAA AAAAAAAAA T  (2) INFORMATION FOR SEQ ID NO:1375:  (i) SEQUENCE CHARACTERISTICS:  (A) LENGTH: 397 base pairs  (B) TYPE: nucleic acid	120 180 240 300
NTACGTCGCT CCNACCTNCT GGCTGNCTAG GGGGAACTCT CCCCCAGCGA AAAGGACATC  AAGAAGATCT TGGACAGNTG GGTATCGAGG CGGACGACGA CCGGNTCAAC AAGGTTATCA  GTNANTGAAT GGAAAACNTG AAGAGTCNTG CCAGGTTTGG CANCTTGNNA TTTACCTCTG  GTGGGGTGTA GCGTNTNGCT GCCCGGTCTG CAGCCTGTGT GGTTNTCCCT GCTGCAGANA  GGAGAGNAAG TGAGAGAGGA GGAGTCTGAA GGTCAGTGTG ACNNGGATTG GCNTTTGATT  ANNTCTGTCC CTGCAATAAA GCTTTTACAC TCTCAAAAAA AAAAAAAAA T  (2) INFORMATION FOR SEQ ID NO:1375:  (i) SEQUENCE CHARACTERISTICS:  (A) LENGTH: 397 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: double	120 180 240 300
NTACGTCGCT CCNACCTNCT GGCTGNCTAG GGGGAACTCT CCCCCAGCGA AAAGGACATC  AAGAAGATCT TGGACAGNTG GGTATCGAGG CGGACGACGA CCGGNTCAAC AAGGTTATCA  GTNANTGAAT GGAAAACNTG AAGAGTCNTG CCAGGTTTGG CANCTTGNNA TTTACCTCTG  GTGGGGTGTA GCGTNTNGCT GCCCGGTCTG CAGCCTGTGT GGTTNTCCCT GCTGCAGANA  GGAGAGNAAG TGAGAGAGGA GGAGTCTGAA GGTCAGTGTG ACNNGGATTG GCNTTTGATT  ANNTCTGTCC CTGCAATAAA GCTTTTACAC TCTCAAAAAA AAAAAAAAA T  (2) INFORMATION FOR SEQ ID NO:1375:  (i) SEQUENCE CHARACTERISTICS:  (A) LENGTH: 397 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: double	120 180 240 300
NTACGTCGCT CCNACCTNCT GGCTGNCTAG GGGGAACTCT CCCCCAGCGA AAAGGACATC  AAGAAGATCT TGGACAGNTG GGTATCGAGG CGGACGACGA CCGGNTCAAC AAGGTTATCA  GTNANTGAAT GGAAAACNTG AAGAGTCNTG CCAGGTTTGG CANCTTGNNA TTTACCTCTG  GTGGGGTGTA GCGTNTNGCT GCCCGGTCTG CAGCCTGTGT GGTTNTCCCT GCTGCAGANA  GGAGAGNAAG TGAGAGAGGA GGAGTCTGAA GGTCAGTGTG ACNNGGATTG GCNTTTGATT  ANNTCTGTCC CTGCAATAAA GCTTTTACAC TCTCAAAAAA AAAAAAAAA T  (2) INFORMATION FOR SEQ ID NO:1375:  (i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 397 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: double (D) TOPOLOGY: linear	120 180 240 300

NTNAATATCT TGGCCACGTT GGCGGGTNTC TNGGAGCTGG TGAATACTNA GGAAGCCGGT	180
TGCTGGAAAT NACTCGGGGT AAATGGGNGC CAGCTGTAAA TACTGTGCCA GGTTCAGGGG	240
GGACAGGNGG GCCAGCATTA GCCAGGCANT TGCAGAGGTG GGGAGCACAG AGGCCTTTTC	300
CATCCCTGTT TTTCGGGCTG ATGATTCCCA CGNAANGGNC CCTGCGCATT GAAAGGGGGN	360
ACAAGGCGGG GGTTACAGAA GCANCAGGGG TTTTTTT	397
(2) INFORMATION FOR SEQ ID NO:1376:	
<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 283 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1376:	
CANCAAAAAC TAAAACTGNN GGTCCAGATC AAACAGAAAT GANCTATTGA GGGCTTGCGA	60
GCNCACAGTG GAGTATGTGG TTAGTGTCTA TGCCTCAGAA TCCAAGCGGN GAGAAGTNAG	120
NCTCTGGTTC AGAACTGNNG TAAACCAACA TTGAATNGGN CTTAAAAAGGN ATTGGNATTT	180
CACTGATGTG GGATGTGGGT TTNCATTNAA AATTGCTTTG GGAAAGNCCA CAGGGGCAAG	240
TTTTCCAGGT TCAGGGTGAC TTATTTGAGC CCTNNGGGTT GGG	283
(2) INFORMATION FOR SEQ ID NO:1377:	
<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 186 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1377:	
GCCANCCCAG NTTCCGGNAA CNTGCCAGGA GCTCAAGGTA AGCCATCAAG AGCCTGCAGT	60
GGNTGGCGGG CGGTCACCTT CACGGGGGAG GCCCTGCAGT ACAGGGGGAA CCAGNTGTTG	120
NCGNCCCAGC CCGAACAACC GTNTCGCCCT GGTCATCATT GACGGGCGTT CAGACANTCA	180
GAGGGG	186
(2) INFORMATION FOR SEQ ID NO:1378:	
<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 316 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1378:	
CTNCCGGATT CGGCGTGGTC AGCAGCCGAA AAGAATTTCC CCGCTTATNC GNACCTTCCA	60
TAATAAGCAA GCNATCTNCT GGCTGAAAAA AGCTGCCCTA CAAGGCCATA CTTTGNCTTC	120
CAACGCCCTT GGCTGGNACA CTGGATCGTG GAGAAGCCCC CATTTATGAA AGANGCGGTT	180
GTTTGGTATC GAATAGCCGC GGAGAGCGGA ATGTNTTATG CGCCAAAATA ATCTTGGGTG	240
GATGTACANA ATGGCAACGG AGTCGCAAAG ACTNTGCGCT GGCTTTTNTT GGTNCAAACA	300
GTNGCTTACA GGCCTT	316
(2) INFORMATION FOR SEQ ID NO:1379:	
<ul> <li>(i) SEQUENCE CHARACTERISTICS: <ul> <li>(A) LENGTH: 211 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul> </li> <li>(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1379:</li> </ul>	
TGTNNCAGGG AACTTGCTAC TACCAGGCAC CATGNCCTAC CAATATCCAG CACTGACCCC	60
	120
GGAAGCAGAA GAAGGAGCTG TNTGGGNATC GGTCACCGGA TCGTGGGACA CCTGGGCAAG	
GGACATCCTG GCTAGCAGAT NNANTNCCAC TGGGAAGCAT TGCCAAGCGG CTGCAGTCCA	180
TTGGTNACCG AGAACACCGT TGGTGAACCG G	211
(2) INFORMATION FOR SEQ ID NO:1380:	
<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 328 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1380:	
GGCAGANANA CCTTGGCACC CGNNATCAAC TGGTTGCTTT TNNTCAACAC CATCTTCTAC	60
CCCGTGGAGA TCAGTNAATC CAAGCCTATT GTGGTCTATG ACAAGGNAAT ACCTTGAAGC	120
AGATCTCCAC TCTCATCAAC ACCACCGACA GATGCCTGCN CAACAACTAC ATNATCTGGA	180
AACCTGGTGC GGAAAACAAG CTCCTTCCTT GAACCAGNGC TTTCAGGACG CCGATGTGAA	240
AGTTCATGGG AAGTTNATGT ACGGGNCCAA GAAGACCTGT TTTCCTCGCT GGGAATTTNG	300
CNTTGGTGAT CACAGTAAAC ANCCTGGG	328

# (2) INFORMATION FOR SEQ ID NO:1381: (i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 314 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: double (D) TOPOLOGY: linear (xi) SEQUENCE DESCRIPTION: SEQ ID NO:1381: GGCAGAGCCC TGGTCCGCAT CTNCTNTGGC CGCCACCCGA TGCTGTTCAG TTACCAGCGC 60 TCCCTGCCAC GCCAGCCCGT GCCCTCTGTG CAGGACACCG TGCGCAAGTA CCTGGAGTCG 120 GTCCGGCCCA TCCTNTCCAA CGNAGGACTT CGAACTGGGA CCGGGGTCTG GGCGCAGGAA 180 TTCCTGAGGC TGCAGGCGTC GCTGCTGCAG TGGTACCTGC GGGCTNCAAG TCCTGGGTGG 240 GGCGTCCAAT TATGGTCCAG TAACTGGTTG GNAGGGAATT TTTGTNACCT GNGGATTCCC 300 314 GGAAATTCCG NTTG (2) INFORMATION FOR SEQ ID NO:1382: (i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 488 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: double (D) TOPOLOGY: linear (xi) SEQUENCE DESCRIPTION: SEQ ID NO:1382: GGCACGAGCN AGCCTCAGCC TTCCCTGGCC AAGAGCTCAT GCTTTCCTTG CTCTCCCCAG GGTCCTGCTG GTCCCGCCGG TCCTGTCGGC CCTGTTGGCG CCCGTGGCCC CGCCGTAAAG 120 TACCCTGCTG TNTCCCCCAT GCCTTCANAA CTCTACAGAT GCAGACAGTG CCCCACTCGA 180 TGCCAATGGA AACTTCCGCC TGAAAGTTTG TCCCTTTNTC TCTTCTAGGG GACCCCAAGG 240 NCCCCGTGGT GACAAGGGTG AGACAGGCGA ACAGGGCGGA CAAAGGCATA AAGGGTCACC 300 TTGGGTTCTT TGGGCCTCCA GGGTNCCCCT TGNNCCTCCT GTAAGTTATG GTTCAGNCCT 360 TNCCCAGTCC CCTGNTGTTG TGTGGGTTAG NAAGGGGGAG TTTGGNCTNA ATTTTCCCTT 420 TGGGTNGTTN ATTNTTTCCC TTCCTNATGG GGATTGGGGG TNTNAAGATT TNTGGGGNAT 480

488

# (2) INFORMATION FOR SEQ ID NO:1383:

TTCCAAGT

(i) SEQUENCE CHARACTERISTICS:

(A) LENGTH: 347 base pairs

(B) TYPE: nucleic acid

(C) STRANDEDNESS: double (D) TOPOLOGY: linear	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1383:	60
GGCACAGCAG GGTTCACACC GGTGAAAGCC CTNACGTGTG TGGTGACTGT GGGAAATTCT	120
TCAGCCGAAG CTCCAACCTT ATTCAGCATA AGAGGGTTCA CACTGGTGAA AAGCCATATG	180
AGTGCCAGCN ACTGTGGGAA GTTCTTNAGC CAGCGTTCCA ACCTCATTCA TCATAAGAGG	240
AGTGCCAGCN ACTGTGGGAA GITCTTAGA GTTCATACGG GCAGAAGTGC CCATGAGTGC AGTGAATGTG GGAAATCTTT CAACTGCAAC GTTCATACGG GCAGAAGTGC CCATGAGTGC AGTGAATGTG AAGTGTAANA	300
TNNGAGCCTA ATTAAAACAT TGGAGAGTTC ACACTGGAGA AAGACCTTAC AAGTGTAANA	347
NATGTGGGGA AATTTTTTAG NCCACATTGT NCAGNCTTCA TTCCAAC	
(2) INFORMATION FOR SEQ ID NO:1384:	
<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 337 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1384:	60
AGCAACGGCG ATCATTGTAA CTTCAATTCT GGTGCCAATT CTNACCTCTA TCTGGNCACG	120
CCCACACACACACACACACACACACACACACACACACA	180
TAAAGTCAAA GCCAGAGCAG GOTTAAAC GTTCGTCCGG TTTGCTATTG AGTTCCTGCC TCCTTAATCC CCACNGTCGG ATGANCTAAC GTTCGTCCGG TTTGCTATTG AGTTCCTGCC	240
TCCTTAATCC CCACNGTCGG TAGAC TGGAATACTT ACCGAGAAAA ACAGCACGNC TGAACATTAA AATAAAATNT GGGTACTAAA TGGAATACTT ACCGAGAAAA ACAGCACGNC TGAACATTAA AATAAAATNT GGGTACTAAA	300
TGGAATACTT ACCGACITETO TGGGGGAAAT TTTCTGCGTG GGAGAGGGAA ACAGATGNCG ATTATTCCGN TTGATTGTNT	337
NACACAGGAC AAGGTTTCCG GGATTTTTCC CGGANGG	
(2) INFORMATION FOR SEQ ID NO:1385:	
(i) SEQUENCE CHARACTERISTICS:  (A) LENGTH: 242 base pairs  (B) TYPE: nucleic acid  (C) STRANDEDNESS: double  (D) TOPOLOGY: linear	
TD NO.1385:	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1385:	60
GAGGATAAAA AGTACATATA CAGTTCATAC AATAATCTTA TGTATGTANA ACCCCGTTAC GATGTCGGCG ACGGGGCCCA TCAGTAACTA TTACGTGGAC TCGCTCATCT CTNACGACAA	120
GATGTCGGCG ACGGGGCCCA TCAGTAACTA TTACGTGGTG  TGAAGACCTC CTAGCGTCCA GGTTTCCGGC CACCGGGGCT CATCCCGCCG CCGNCAGACC	180
TGAAGACCTC CTAGCGTCC. 2	

CAGCGGTTTG GTGCCGGNCT NTAGCGATTT TCCGTTCCTG TGAGCTTCGG GNCCAAGCCG	240
GN	242
(2) INFORMATION FOR SEQ ID NO:1386:	
<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 432 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1386:	
GGGGACCCCC AGGAGGTGAC CCTGCAGCTC TTCACAGATG GAATCACAAA TAAACTTATT	60
GGCTGTTACG TGGGAAACAC CATGGAGGAT GTAGTCCTGG TGAGAATTTA TGGCAATAAG	. 120
ACTGANTTAT TAGTCGATCG AGAATGAGGA AGTAAAAGAG TTTTCGAGTG TTGCAGGCTC	180
ATGGGTGTGC CACCACAACT NTACTGTTAC CTTCAATAAT GGACTATGNC TNATGGATTT	240
TATACAGGGA GGAAGCACTG GGATCCAAAG CCATGTTCTG GCAACCCCAG CCATTTTTCA	300
GGGCTAANTA GCTTCGTTCA GTTTGNTTAA AAATCCCATG NCTTATTTCC ATGGCACCAC	360
CAATTGGGCT GGGTTTCCCC CAAATTNTAA TTCTTTTGGG NTTAAAGATT GGGGGNAAGG	420
TTATTTTNTT TT	432
(2) INFORMATION FOR SEQ ID NO:1387:	
<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 103 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1387:	
TCCTCCTGGC CATNATCTTC CTGCTGGGGA AGATCTGGAA GGTNCAAGTG CTGCAGGGCA	60
TCTTTGGGAN GAGCCAGNTC CTGTTTGCNC TCGTTTTCAG CAC	103
	103
(2) INFORMATION FOR SEQ ID NO:1388:  (i) SEQUENCE CHARACTERISTICS:  (A) LENGTH: 104 base pairs  (B) TYPE: nucleic acid  (C) STRANDEDNESS: double  (D) TOPOLOGY: linear	
(b) Torobodi. Ilmean	

ATGGCTGTGC CACCCACGTN TGCCGATTTT NGCAAATTTG CCAGGGAATN TTTTCACCAA	60
GGGCTATGGT TTTNGTTTAA TAAAGCTTNA TTTGGAAAAC AAAA	104
(2) INFORMATION FOR SEQ ID NO:1389:  (i) SEQUENCE CHARACTERISTICS:  (A) LENGTH: 306 base pairs  (B) TYPE: nucleic acid  (C) STRANDEDNESS: double  (D) TOPOLOGY: linear	
(b) Torobogi. Timear	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1389:	
TGAGGGACTT NACCCAATNA ACTACCTGGG CATTANNACC AACATTCAAG GCCAGGTGCC	60
TNACGTCCCA GCAAATTTAA CAGTCCACAT CTCTCCCTAC AAGGAGCTGT ACCACTACTC	120
CAACTCCACT GTAACCTCTA CAAGTNCCNG TAGACTACTC TNTAACTTTT GGTGCAATCA	180
ACCAAACATG GTGCTACCGC ATCCACCAGA ACATCACTTA CCAGGTGTGC AGGTACGNCC	240
CCAGACACCC GTCCTTCCNC ACCACCCAGN AGNTTGAACG TGGACCGGGT TTTTTGCCTT	300
TGTNAT	306
(2) INFORMATION FOR SEQ ID NO:1390:	
<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 466 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1390:	
GGCAGAGNCT TGGAAGAATT TATTTAGATA TGCTTAATGT ATACAAGTNC CTCAGTGAAA	60
ATATTTCTNC AGCTATCCAA GCTAATGGTG AAATGGTTAC AAAGCAACCA TTGATTAGAA	120
GTATGCNAAC TGTAAAAAGG GAAACTTTAA AGTTAATATC TGGTTGGGTG AGCCGNTCCA	180
ATGAATCCAC AGATGGTCGC TGAAAATTTT GTTCCCCCTC TGTTGGATGC AGTTCTCATT	240
GNTTATCAGA GAAATGTCCC AGCTGCTAGA GAACCAGAAG TGCTTAGTAC TATGGCCATA	300
ATTGTGCAAC AAGTTTAGGG GGACATATTA CCAGCTGAAA TACCTCAAAT ATTTGATGCT	360
GTTTTTGAAA TGGCACCTTG GATTATGGTA AATAAGGACT TGNAGGATTT TCCCGNACCT	420
GGACGGACTT TTCCTTACTA CTTCNGGTGT TCAATTNNCC TTGTTT	466
(2) INFORMATION FOR SEQ ID NO:1391:	

(i) SEQUENCE CHARACTERISTICS:

(D) TOPOLOGY: linear	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1391:	
GGCAGAGAGA NGCTGCGTCC CGGAGTAATC TGAAGCGGGT NACGCTGNAG CTNGGGGGGG 6	50
ANGAACCCTT GC	72
(2) INFORMATION FOR SEQ ID NO:1392:	
(i) SEQUENCE CHARACTERISTICS:  (A) LENGTH: 312 base pairs  (B) TYPE: nucleic acid  (C) STRANDEDNESS: double  (D) TOPOLOGY: linear	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1392:	
AANAAACCAT CTGGTTCANG TTCCTAATTG GGCCAGCAAG TAAGGATGGC CAGGCCTCTG	60
GAGCAGGCGG TACTGCNATC NTTTGCACCT TCCAGGTAAT ACGCAGGTGC TGTGGGGACA 1:	20
AATACAAGCN CTGCCAGGCG GACTCAAGGA GCTGCTGCAG AAGGAGCTGG CCACCTGGNA 1	80
	40
	00
TTTTCTACTG CC	12
(2) INFORMATION FOR SEQ ID NO:1393:	
<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 309 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1393:	
AAACNTTNTN TTNTCCTGTA AACAGTGGCC AGCCCCCCAA CTATGAAAAT GCTCAAGGAG	60
GAGCACGAGG TGGCTGTGCC TGGGGGCGCC CCANAACCCT GCTCCCCCGA NGTCCACNGT 1	20
NAATCCANAT CCGCAACGAA GACCTCCNTG CNCCGACCAT NTGGTNTGGT CCCTNTTCAA 1	L80
	240
	300
TTCCAACCG	309

(2) INFORMATION FOR SEQ ID NO:1394:			
(i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 341 base pairs		· .	
(B) TYPE: nucleic acid			
(C) STRANDEDNESS: double			
(D) TOPOLOGY: linear	:		
	•		
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1	394:		
TTTATGCTGA AGTATTATCG ACGAATGCAA TTATCATTGA	AAAAAAACAT	AATATATAAG	60
TNATTATCTC TAAAATCATT GATGATTTCA GAGTGTAAGG	TTTCAATGAA	TGANGTTTAA	120
AGGATGTTAG CATGTTTTAC CTTTATAATG ATGATAACTT	TTCCAAAACT	GCTTGACTGT	180
NGAGGTTAAT TAAATTTNCT CTTGGAGCCC TACATACCAT	CTGGATTCTT	CCCATACCCA	240
CCAATTAANT CCCGGATCGG TTGGTCCATA AAACCGTGGA	TATTGGGTCT	NTCCAGTGGC	300
CGCCGTTAAA ATGGGNTTAA CCCCGTATNN CACCGGACAC	T		341
(2) INFORMATION FOR SEQ ID NO:1395:	· .		
<ul><li>(i) SEQUENCE CHARACTERISTICS:</li><li>(A) LENGTH: 203 base pairs</li><li>(B) TYPE: nucleic acid</li></ul>			
(C) STRANDEDNESS: double (D) TOPOLOGY: linear		•	
	-		
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1	395:		
AGCCACATGC NCTACGNTTA NNANGCCTAC GCATACCTNC	: AATATATTGA	NTCTGCAGGA	60
CTTTGTAGNC CGGNTAAGGN GTTAACGCCG ATACAGGCAT	TAACAAAGCG	NATTTGTCAG	120
CAATCTAAGT AACGTCGCAA TCANTTTTCT TNAATCCCAC	ATCATTTGCA	NTTCCATTAN	180
TTCTCAAACA TCCATGCCCA ACG			203
(2) INFORMATION FOR SEQ ID NO:1396:			
<ul><li>(i) SEQUENCE CHARACTERISTICS:</li><li>(A) LENGTH: 429 base pairs</li><li>(B) TYPE: nucleic acid</li><li>(C) STRANDEDNESS: double</li><li>(D) TOPOLOGY: linear</li></ul>			
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1	396:		
TAGTNAGGGT CAGGTGCAGA TGGCGATGAN CGGCGGCATC	TANAATGAAA	GCAATGCCCC	60

GCTCGGTTTG TACATNGAAA ACGGTCAGCA GAAGGTGGCG TTAAATCTCG CTTCAGGTGA

AGGGAAATTN NTTTATCCGT CCTGGCGGCG TGTTTTAATG TCGCGGGAGA ATAAAGTCGG	180
CATCGTTCGT CTGGTATGCC TTCAAAACCA GTNAAAGNGA TTCATTTTGC GGTGCAGTCC	240
AGGGCCAATN TTGATGGAAA ACGGTGTAAT TAATCCGCGT NTTCATCCCA ACGTCGCCTN	300
AAGCAAATTT CGTGAACGGT GTTGGGGTTA ATAAAACCTG GGGAACGCCN TGTTTTTTT	360
TGNGCCCGCA GGCANCAAAT TTTTAATGGA TTTTTGCCCN GTTATGNCCC AGGGGAAACT	420
TAACCTTTG	429
(2) INFORMATION FOR SEQ ID NO:1397:	
<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 314 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1397:	
NAGCTTTTNG TATTTTAAAT ATNAGGTACA TAAGAGTTTN AATTTGTTCC TTTTTTAAAA	60
TAACTTTNAA AATTATTATA TGGTAACCTT CTTTATTATG AATACTTGNA AAATGTAGGC	120
ACACAAATAA CCTTTTTGAA TTTATATCCT GTAATGTATA TTTCCCCAGT CTTTTNACTT	180
TACTCCAGTC CACTAGGAAA TCAGTGGTTG GTTGTTTACC TCTCTTGAAA TGTCTTTTTG	240
TATTGTGGTC TCCACCGTGC CATTTCNATA ATGGCATATT TNTNTTTGNG CCTAGCCATG	300
TTTAGNGGTG TTTG	314
(2) INFORMATION FOR SEQ ID NO:1398:	
<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 208 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1398:	
TCCATCATAG TCAACTGCTT GGGANGAGAA AGCCAAANGA NTGCAATGTT GTGAAAGATT	60
CCANTINATG CCAGTAAACC TAATCCAAAT GAATGTGGAG TTTGAATAAA TCTGTATTTG	120
GATATGATTG GAATCATCCA TCCCTGTACT CATCCTGAGG ACAAACCAGC ACCAAAAANT	180
GNGGNTGNNA ATGAATGGTT GCAATTTT	208

.. (i) SEQUENCE CHARACTERISTICS:

(2) INFORMATION FOR SEQ ID NO:1399:

(A) LENGTH: 289 base pairs(B) TYPE: nucleic acid

(C) STRANDEDNESS: double (D) TOPOLOGY: linear			
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:13	99:		
TGANTATTCA NCGTGNGAAA GAAGANTTGG AACAAAGGGA	AGCTGAACTC	CAGAAAGTCC	60
GGAAGGCTGA GGAAGAGAAG GCTGCCCCAG GNAAGCAAAG	GNGAGAGAGA	AGGAGCGTAT	120
CTTACAGGAA CATGANCAAT TCAAAAAGAA AACTNTCCGA	GAANCNTTTG	GNGCAGATCA	180
AGAAAACAGA ACTGGGTGCC AAANCTTTCA AAGGTATTGA	ATATTGAAGA	CCTTNAGGNA	240
TTGGTTTCCA GTTTTTTCCT GGGTTAANCA GGTTGANCAC	TGGGGAAAG	•	289
(2) INFORMATION FOR SEQ ID NO:1400:			
(i) SEQUENCE CHARACTERISTICS:		•	
(A) LENGTH: 396 base pairs			•
(B) TYPE: nucleic acid			
(C) STRANDEDNESS: double		٠	• .
(D) TOPOLOGY: linear		·	
		•	•
	•		
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:14	100:		
GGCACGAGCA TGGCTTTTAA TGAAGAAGGA CAGGCAACAG	AAACAGACAC	AAAANTCAGA	60
GTGTGCACCC GGGCCTACCA TCTGCTTGTN AAAAAACTGG	GCTTTAATNC	AAATGACATN	120
ATTTTTNACC CTAATATCCT AACCATTGGG ACTGGAATGG	AGGAACACAA	CTTGTATGCC	18
ATTAATTTTA TCCATGCAAC AAAAGTCATT AAAGAAACAT	TACCTGGGNG	CCAGANTAAG	24
GTGGAGGGTN TTTCCAACTT GTCCTTCTCC TTTNCCGGGG	ATTGGAAGGC	CTTCNGGGAA	30
GGCATTGCTT GGGGTTTTCC CTTTACCCTT GCATTCAAGT	NTTGGCTTGG	CCTTGGGGGT	36
TNTTNATTNC TGGGAAACCC CCCCGTGGNA TTGGGG			39
(2) INFORMATION FOR SEQ ID NO:1401:			
<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 56 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	•		

(2) INFORMATION FOR SEQ ID NO:1402:

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1401:

GGCACAGGNT TTTTTTTTT TTTTTTTTT TTTTTTTTT GGNTTTTTTT TTTTTN

(i) SEQUENCE CHARACTERISTICS:

<ul><li>(A) LENGTH: 400 base pairs</li><li>(B) TYPE: nucleic acid</li><li>(C) STRANDEDNESS: double</li><li>(D) TOPOLOGY: linear</li></ul>			
	:	,	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:14	02:		
CAAAGGCGGA GGACCCGTGG CCCACGAAGC TCATCTTTNA	ACTNTCCCCG	CNTTCTCCCG	60
CCTTGAANTT GTGAACCCTA GGCCCTTTGG GGCGACCTNT	NAACCCAGCT	AGCCAGATCC	120
CGGACCCAAA CCATGTTCCC TGTGAAAGGT GAAAAGTGGA	GGAAATCAGA	GCTGGAGATG	180
GCCAAAGCCC GGTAACCAAC TGGTTGCTGT TTTGCAGTNT	CTGCTTGGAG	GANGAGTCAC	240
ATGGNACAGG GAGCGTNTGG TTGAGGGAAG CTGGGGAAAA	CACCCTCAGG	ACACCCACAA	300
TAAGGNACTG TTTCCATCGC AGGCCACTGG GNAAAAAGGG	CCATCTTNCC	CGTTTTTCCC	360
CCACCAAGGG GAGGGAAGAA GAAGGNGGGG NGATTGGTTG			400
(2) INFORMATION FOR SEQ ID NO:1403:	•	7 +	
<ul><li>(i) SEQUENCE CHARACTERISTICS:</li><li>(A) LENGTH: 245 base pairs</li><li>(B) TYPE: nucleic acid</li><li>(C) STRANDEDNESS: double</li><li>(D) TOPOLOGY: linear</li></ul>			
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:14	103:		
TATATTGTAG CTCATCANGG GNAATNGGNA CTGTTCAAAA	NGGATTGCCC	CACAAGTGTT	60
ACCATGGGCA AAACTGGAAG AGTCTACAAT GTTACCCAGC	ATGCTGTTGG	NCNNGGTTGT	120
TATNCAAACA NGTTTANGGG GCAAGATTCT TTCCAAGAGT	NTTTAATGTG	CGTATTTTAG	180
CACATTTGGC ACTCNAAGTG TCCGCGATAG CTTTCNGAAA	AGTGTTNAAG	GGNAAATGAA	240
TTCAG			245
(2) INFORMATION FOR SEQ ID NO:1404:			
<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 340 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>			

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1404:

GTGAAGCTCN TCGGCAACAT TCATGGCAAC GAGGTGGCGG GCCGGGAGAT GCTCATCTAC	120
CTAGCCCAGT ACCTGTGCCT CTNAGTACCT GCTTGGTAAC CCCCGCATCC AGCGCCTGCT	180
CCAACACCAC CCGCATCCAC CTGNTGCCCT CCATGAACCC TGACGGCTAT GAAGGTGGNC	240
AGCTGCCGAG GGTTGCCGGC TTACAACGGG TGGGACGGAG CGGGAAGGTN AGTAACGTGN	300
CAAAACCTGG GTNTCTNGAA CCGAAATTTT CCCGGGACNT	340
(2) INFORMATION FOR SEQ ID NO:1405:	
<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 405 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1405:	•
AATCGCAGAG CTTGTNACAT TTTGGAATGC TGTAATGGGC TGGCCCAGGA ATGTNATCGG	60
CTCCATCGGA CAAGCCTTTA AGCTCCGGTT TAAGCAATAT TTACAGTGTC CTACCAAGAT	120
TCCCGCTCTC CATGAATCGA NTGCAGAGTC TGGATGAGCC ATGGNACGGT AAGAGGAGGG	180
AGATGGCTCA GAACCACCCA TTACTTACAA CAGCATCCCA AGCAAGATGC CTCCTCCCAG	240
·	

GGGGCTTTTC TTGGATACTT AGGACTGAAA CCCAGACCCC ATGGTTCCTG AACACAGCCC

AGTTTTGCAG GGAAAAGAGG CAGATTTTTT ACCAGGGAAG ACATTTGGGG GACATTTTGG

300

360

405

#### (2) INFORMATION FOR SEQ ID NO:1406:

- (i) SEQUENCE CHARACTERISTICS:
  - (A) LENGTH: 418 base pairs

CGANANTGGG CAGCAAACAN CTTTAAGGGC AAGGTNCCCG GANAT

- (B) TYPE: nucleic acid
- (C) STRANDEDNESS: double
- (D) TOPOLOGY: linear

#### (xi) SEQUENCE DESCRIPTION: SEQ ID NO:1406:

GGCAGAGCCC	AATTCTTCGA	AGGTCTGGAA	TGTATACTGT	AGCCATTGCT	TNTTGTGGCT	60
CTNGTAACAA	CAAAGCAATT	CGAGGACTGN	TAGATGTTGC	TGTAAGTAAT	GTTAATGATG	120
ATGTCAGGAG	GGCAGCAGTA	GAATCACTTG	GGTTCATTCT	ATTCAGAACC	CCTGAACAGT	180
GCCCAAGTGT	TGTCTCTTTG	TTGTCAGAGA	GTTACAACCC	TCATNTGCGC	TATGGAGCTG	240
CAATGGCCTT	NGGGATATGC	TGTGCTGGTA	CAGNAAACAA	GGAAGCCATT	AATTTGCTAG	300
AACCANTGNA	CAAACGACCC	CGTGGAACTA	CGTGAAGGTC	AAGGGGCACT	TCTTAGGCTT	360

NCAGTNCTTC ATCCATGTTT CCAGGCAGAC TNGNAATCCA CTTGTTCCAA AGGTNGAT	418
(2) INFORMATION FOR SEQ ID NO:1407:	
<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 500 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1407:	•
GGCAGAGGAA GATTGACGTG GGGGAAGCTG AACCACGGAC TGTGTGATNC GGCCTGGTAC	60
ATTCGTGCCC AAGGAGGAAC TGCAGGACAG GCTGGTAGTG GTGCTGTGCA ACCTGAAACC	120
CCAGAAGATG AGAGGAGTCG AGTCCCAAGG CATGCTTCTG TGTGCTTCTA TAGAAGGGNT	180
AAACCGCCAG TGANACCTCT GGACCCTCCG GCAGGCTTCT GCTTCCTGGT GGAGCACGTG	240
TTTNTGAAAG GGCTATGNAA AAGGGCCAAC CAGATGGAGG GAGCTCAAGC CCAAGAAGAA	300
AGTCTTTCGA GGAAGTTTGC CAGGCTGGAC TTTCAAATTT TCTGAAGGGA GTTGCATCGC	360
CCAGTTGGGN AGGCAAACCA ATTTCATGGA CCAGTTGGGT TNCCNTTNCC GTAAATCGTT	420
GAAAGGGGGG NACATTAGTT TGCCAGCCCG CNTTTTCCCC TTTTTTCCAC CTNGGGTCAT	480
NTGTGTNTTT TCNTTTGTTC	500
(2) INFORMATION FOR SEQ ID NO:1408:	
(i) SEQUENCE CHARACTERISTICS:  (A) LENGTH: 144 base pairs  (B) TYPE: nucleic acid  (C) STRANDEDNESS: double  (D) TOPOLOGY: linear	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1408:	
TACTATCCGG AACTGGCTGC GCTGAATGTN GNAANCTTTA AAACCGACAA ACCACAGCCG	60
GTTAACGCGC TGCTGAAGAN CCGAAAAACG CAACCTGTCG CTGTTACAGG CACGCTTGAG	120
CCCAGGNCCT GNGCGGCGAG NAAN	144
(2) INFORMATION FOR SEQ ID NO:1409:	
<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 475 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:14	109:		
GGCACGAGGC GGGGCTACAA CTACGCCACC TGCCTGGAAG		ልልጥጥልልልGAG	. 60
			120
ATAACCTACA TGCACTCAGA AGGCATCCTG GCTGGGGAGC		. •	
CTGATTGACA AGCAGATGCC CGTCATCATG GTCATTATGA	AGGATCCTTG	CTTCGCCAAA	180
TGCCAGAACG CCCTGCAGCA AGTCACGGCC CGCCAGGNTC	GCCCCATTAT	ACTGTGCTCC	240
AAGGACGATA CTGAAAGTTC CAAGTTTTGC GTATAAAGGN	CAATCGGAGC	TGCCCCACAC	300
TGTGGGACTT GCCTTCCAGG GGNATTCCTT GAGGCGTGGA	TTCCGTTGGC	AGTTGCTGTT	360
CCTTNCACCT GGGCTGTTCT TCCGAGGGAT ATGACGTTGA	CTTTCCCCAG	AAATTTGGCC	420
AATTTTTAAA ANTNTGGGAT TAGGNTNAGA CCGTNAAAAG	GCCATTAACC	ACTTT	475
(2) INFORMATION FOR SEQ ID NO:1410:			
(i) SEQUENCE CHARACTERISTICS:	•		•
<ul><li>(A) LENGTH: 355 base pairs</li><li>(B) TYPE: nucleic acid</li></ul>		:	
(C) STRANDEDNESS: double			
(D) TOPOLOGY: linear			
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1	410:		
ATGGGAGTGG ACATCCGCCA TAACAAGGAC CGAAAGTTCG	GCCGCAAGGN	GCCCAAGAGC	60
CAGGNTATCT ACCTGAAGGC TGTTGGTCAA GTTATACAGG	ŢTTNTGGCCA	GAAGTAACCA	120
ACTCCACATT CAACCAGGTT GTNTTGAAGA GGTTGTTTAT	GAAGTGGCAC	CAACCGGCCG	180
CCTCTTTCCC TTTCCCGGAT GAATACGGNA AGNATGGAAG	CTTTCCTGGG	CCGGGGAAAA	240
CAAAGACGGG CCGTGGGTTN TGGGGGGACC ATAAACTGAA	TGATTTGCGG	GGTTTCAGGA	300
AGGGTTACCC AAACTTTAAG TTATGTGNCA CTGNGCGTNA	ACCCAACGGG	GNCCC	355
(2) INFORMATION FOR SEQ ID NO:1411:			
<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 423 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>		·	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1	411:		
ATGATAATAG TGTTGATACA GCCACGCAAA ACCGCGACCA	GACAGATAAT	TTTAAATGCA	. 60
GCCATGCTGA CCACAGCCGC AGCGNCGTGA ACGGGAAAAT	CCAACCCCAT	CATGGTTAAC	120

GCATCAACCG GCAGACGCAT ATGGNCAAAC TCGCCGGTAA ATGTAGCTTT TACCGGTAAT

CGGTTTGCCG TTGAAAAATC AGCCCGCCGC CAACACCGGT GCCGAGANTC AACCCCATCA	240
CCAGTGGGAT ATTGGAGTAA AATTTCATCA TCCCAGGNTT CTGNAAGGGG CAAAACAGTT	300
GGCATCGTTT ATTCAAGGCG TACATCGGGG TTCAAGAACG TGCGTTCAGT TCGGCAGGNN	360
GCGGTTTTAC NTTGTCNAGG GGGGGAACCA TGGGNGGCTT ACAGGGTTAC CCTCTTTTGG	420
ТТТ	423
(2) INFORMATION FOR SEQ ID NO:1412:	
<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 483 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1412:	
GGCAGAGCNA GNCCGGAGTG TCAGNGNATG ATGCGGTTNA TGCTATTATT CAGCCGGCAG	60
GGGAAAACTG CGGCTGCAAA AATGGTACCT GGCCACTTCG GACAAGGGAA CGGAAGAAGA	120
TGGTNCGCGG NCTCCATGCA GGTTGTCCTG GCTCGAAAGC CCAAGAATGT GCAGCTTCCT	180
GGAGTGGAGG GNACCTCAAA GTTGTCTATT AAGAGATATG CCAGCCTCTA ACTTNTGCTG	240
CGCCATTCGA GGGCCAAGAC AATGNAGCTT CATCACACTG GAGCTGTATT CCACCGATAC	300
GTGGAGCTCT TTAGGACAAA TACTTTGGGC AGTNTGTGCC GAAGCTGGAC ATCATCTTTC	360
AACTTTNNAG GAAGGNCTNA TTTCATCCCG GGATGAGTTT TTTGATTGGG GGGGGGNTTT	420
CCAGGACAAC TTCCAGAAGA GTGTGCTGAA GCCATTCGAG CAAGGTGANC NACTTGNANA	480
GGG .	483
(2) INFORMATION FOR SEQ ID NO:1413:	
<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 182 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1413:	
AGCCCCCTAG ACAGGTTAAA ANGTTATCTN TGGCAATCAA NGGCAGTTTG GATGAAGCCA	60
AGGNTCTTTN CAAACCTCCA AAGGACTCCC AAGAATGACG AGAGTNAACT CAAATGCCGN	120
CCACCACCAC ACTACCANCC CCCCCCACAA CCCACACTGG GGGTTCATTT GGNCGNCAAA	180

# (2) INFORMATION FOR SEQ ID NO:1414: (i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 283 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: double (D) TOPOLOGY: linear (xi) SEQUENCE DESCRIPTION: SEQ ID NO:1414: GGCANAGGGN TCAACTACCT CACTGTAATT GGCTACCCAA ATGCTGAGTT CAAATCTTGG TGGCCGGCCA CTGCTCATAT CATAGGTAAG GACATTCTCA AATTCCATGC CATCTATTGG 120 CCTGGCCTTC CTGTTAGGGG NCCGGTCATN AGCCCGNGCA CAGCNCATCT NTNGGCCATT 180 ACCCACTGGA CAGTCTGTGG CCAAAAGTTG TTCCAAGAGC TTGGAGCAAC GTGGTNGNNT 240 GCCGAGGACT TNGCCTTTAA CCGCTATACC GTGGTATGGG NTT 283 (2) INFORMATION FOR SEQ ID NO:1415: (i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 393 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: double (D) TOPOLOGY: linear (xi) SEQUENCE DESCRIPTION: SEQ ID NO:1415: GGCAGAGTNT CGATGCCACT NTCAACAAGG CCCTGGCAGA AAGATTCCAC ATCTCAAAGT 60 TTCCTACGTT GAAGTATTTT AAGAATGGAG AGAAATACGC ATGCCTGTGC CTCAGGTACA 120 AAGAAGAAGT TTCTCGAGTG GATGCAAAAC CCTGAGGCCC CCCCGCCCCC AGAGCCCACG 180 TGGGTAAGAG CAGCAGNACA AGCGTGTTGC ACCTGGTGGG GGACAACTTC CGGGGGGACC 240 CTNGAAGAAG AAGGAAACAC ACTTGGTTCA TGTTCTTACG NCCTTGGTGC CCACACTGTA 300 AGAAGGTTCA TTNCCGGATT TTACTGTTAN NGTTGATGCC TTTCAAAGAT GGACCGAAAG 360 393 NTTGNCTGTT GCCGTTGTTT GATTTTTAA AGG (2) INFORMATION FOR SEQ ID NO:1416: (i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 117 base pairs

(B) TYPE: nucleic acid(C) STRANDEDNESS: double(D) TOPOLOGY: linear

⁽xi) SEQUENCE DESCRIPTION: SEQ ID NO:1416:

TCCCNTTGGG ACAAAACTGT TGGTTCAATT AAGGGTTGTT	TTTTCANGAG	GNTCCTTGGT	60
TCTTTAAAAG GCAAGGTCCC GNNGGGGAAG GGTCCAAGGT	TCAAGTTTTG	NAAGGGG	117
(2) INFORMATION FOR SEQ ID NO:1417:			
<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 277 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	- "		
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1	417:		,
GGCANAGGGA AGAAGGAAAC CCAAGGTTGT GGTATGCTGC	TTTACTGTCT	TTCACAAGCG	60
CCTTTNATAT CCTGTCAATC ATCTGTGTCG GGCTGCTCTA	TACATATTAC	ACCAAACCAG	120
ATGGCTGCAC AGGAAAACAA GTTCTTCATC AGTATTGAAC	CTGATCCTTT	GCGTTGTGGC	180
TTCTATTATG ATCGATCCAC CCAAAAATTC CAGGGAACAC	CAGCCTTCGN	TTCCGGCCTC	240
TTGNCAGTTC CTTCCCTNCA ATNCAACCCC TNCTGAC		· ·	277
(2) INFORMATION FOR SEQ ID NO:1418:			
<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 477 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>			
THE TOTAL CONTRACT OF THE NO. 1	. 410.		
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1		· • • • • • • • • • • • • • • • • • • •	60
GGNACGAGCT GGTGGCTGGC AAGATCGTGG AGATGGAGGA GCCTTGGAAA GTACATTCTG TGCTGCCTGC TGGGTCACGC			120
TGCNNGTCAT CTACTTCCTC TTCACCCGCA NAAACCCCTA			180
TGGACGCCGC TGGCCACTGC CTTTGGGAAC CTCTTCCAGT			240
GATGAAGTGC GTGGAGGAGA ATTAATGGCG TTGGCCAAGG			300
CTGGCNCATC GGNGGCCACC GTNCAACATG GGACGGTGGC			360
TGGGCCGCAA TGTTTCATTG CACAGTTCAG CCAGCATTCC			420
TCACCANCTG GTCAGGGCAC AGGTCCANGT TGGGGGCAAL			477
	, GGGCRICCIO	. 0100/100	
(2) INFORMATION FOR SEQ ID NO:1419:  (i) SEQUENCE CHARACTERISTICS:  (A) LENGTH: 349 base pairs  (B) TYPE: nucleic acid			

<ul><li>(C) STRANDEDNESS: double</li><li>(D) TOPOLOGY: linear</li></ul>			
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1	419:		
TCAGCAATCA GACTGTCGAC ATTCCAGAAA ATGTCGCATT	GACTCTGAAG	GGACGCACAG	60
TTATCGTGAA AGGGCCCCAG AGGAACCCTG CGGAGGGNAC	TTCAATCACA	TCAATGTAGN	120
AACTCAGCCT TCTTGGNAAA GGAAAAAAA GAGGCTCCGG	GTTGACAAAT	GGTGGGGTTA	180
ACAGNAAAGG GAACTGGNCT ACCGTTCCGG GACTTATTTG	TGAGTNCATG	TTACAGGAAC	240
ATGGATTCAA AGGGGGTGTT TNACCACTTG GGGGGCTTTT	CCGGTTTAAC	CAAAGGNNTT	300
GNAGGGGTNC TTGGTGGTTA TTGGGCTCCC AAATTTTTCC	CCCCCAAAA	•	349
(2) INFORMATION FOR SEQ ID NO:1420:			
(i) SEQUENCE CHARACTERISTICS:		• .	
(A) LENGTH: 170 base pairs	*		
(B) TYPE: nucleic acid (C) STRANDEDNESS: double			
(D) TOPOLOGY: linear			
	•		
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1	420:		
CAAGNTCNNC GGCAAGGNGT TTTCCANACC CTGGTTGCTT	' CAAGGACACA	TTAGAACTCA	60
CACGGGGGAG AAGCCTTTTT TTTGCCCTCA CTGCAACAGC	NGCATTTGAC	AGACAGGTGA	120
ANTCTGAAGG NGTCATCTGA CAGACCCATT NTATTGTGAA	NGAAATACCA		170
(2) INFORMATION FOR SEQ ID NO:1421:			
<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 113 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>			
•			
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1	421:		
GGCAGAGCGA GAGCATGCCC TTNTGGCTTA CACACTGGGT	GTNAAACAAC	TGAATTGTCG	60
GTGTTAACAA AATGGATTCC ACTGAGCCAC CCTTTTTTT	TTNTTNGTNT	GTT	113
(2) INFORMATION FOR SEQ ID NO:1422:			
<ul><li>(i) SEQUENCE CHARACTERISTICS:</li><li>(A) LENGTH: 96 base pairs</li><li>(B) TYPE: nucleic acid</li><li>(C) STRANDEDNESS: double</li></ul>			

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1422:	•
GGCANAGCAG CCACGGATCT NCGGGTGGAG GCATNAATGC TAACATGAGG GGTGTATTTC	60
TACATGTTTT NGCAGATACA CTTGGCAGCA TTGGGN	96
(2) INFORMATION FOR SEQ ID NO:1423:	
<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 325 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1423:	
GGCACGAGCC CAATTNTTCG AAGGTCTGGA ATGTATACTG TAGCCATTGC TTATTGTGGC	60
TCTGGTAACA ACAAAGCAAT TCGACGNCTG ATNANATGTT GCTGTANGTG AATGTTAATG	120
AATGATGTCA GGAGGGCAGC AGTAGNAATC ACTTGGGTTC ATTCTATTCA GAAACCCCTG	180
AACAGTGCCC AAGTGTTGTC TCTTTGTTGT CAGAGAGTTA CAACCCTCAT GTGGCGCTTA	240
GGGNGCTTGC AATGGCCTTT GGGGATATGC TGTGCTTGGT ACNGTAAACA AGGGAAGNCC	300
ATTGAATTTT GNTAAGAACC CCANT	325
(2) INFORMATION FOR SEQ ID NO:1424:	
<ul> <li>(i) SEQUENCE CHARACTERISTICS: <ul> <li>(A) LENGTH: 79 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul> </li> <li>(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1424:</li> </ul>	
AACAAGACGG AATTGGAACG GGGTTNTGNG CTACTATGGT NCCACTCCGN AGTGTGTGGG	60
GATGCTAGGA AACCCACCC	79
(2) INFORMATION FOR SEQ ID NO:1425:	
<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 173 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1425:

CNCATGAANC GCTTCGAGGG GNTCACGGTG CTTAAAGGNT GCGCCGTGGA NCCGGGACTG	60
GGAACGTGGG CAGTCAGGGT GCTAGCTGCT TCTGGAGGTG AGCGAGCGGG TGCGAAACCT	120
TGACCCGGCC TACTTNTNCC CGGAACGNCC CTGCTTCTTT CCTTNACCCA NCT	173
(2) INFORMATION FOR SEQ ID NO:1426:	
<ul><li>(i) SEQUENCE CHARACTERISTICS:</li><li>(A) LENGTH: 295 base pairs</li><li>(B) TYPE: nucleic acid</li><li>(C) STRANDEDNESS: double</li></ul>	
(D) TOPOLOGY: linear	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1426:	
GGCANAGCAA GANCTCACCT CAAAGAGAAG CCCTTTGACT GCAGTCAGTG TGGAAATGCA	60
TTCCGGACCC TCTCGGCCCT GAAAATCCAC ATGCGAGTNC ACACTGGCGA GAGGCCTTAC	12,0
AAGTNTGATC AGTGCGGGAA GGCTTACGGC CGNNGCTGCC ACCTCATCGC ACACAAGAGA	180
ACGCACACCG GAGAGAGGCC CTACGAGTGT CACGACTGTG GGGAAAGCTT TCCAGCACCC	240
CTCCCACCTC AAAGAGCACG TNAGGAATCA CACGNGGGGA GAAGNCCTTA CGNNT	295
(2) INFORMATION FOR SEQ ID NO:1427:	
<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 377 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1427:	
CCGATCGATC AGCTGGCGAC CGATTCTAAC TACCTGGAAG TTTGTNACAT CCTGCTGAAT	60
GGTGAAAAC CGACTCAGGA ACAGTATGAC GAATTTAAAA CTACGGTGAC CCGTCATACC	120
ATGATCCACG AGCAGATTAC CCGTGTGTTC CCATGCTTTC CGTCGCGAAC TCGCATCCAA	180
TGGCAGTCAT GTGTGGTATT ACCGGCGCGC TGGCGGCGTT CTATCACGAC TCGCTGGATG	240
TTAACAATCC TCGTCACCGT GNAAATTGCC GCGTTCCGCC TGCTGTCGAA AATGCCGACC	300
ATGGCCGCGA TGTGTTTACA AGTTATTNCC ATGGTTCAGC CATTTGGTTT NACCCGGGGN	360
AACGATCTTT TCNTANG	377
(2) INFORMATION FOR SEQ ID NO:1428:	
<ul><li>(i) SEQUENCE CHARACTERISTICS:</li><li>(A) LENGTH: 187 base pairs</li><li>(B) TYPE: nucleic acid</li></ul>	

(C) STRANDEDNESS: double (D) TOPOLOGY: linear	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1428:	
GACCAGCCC TNCCGGGNGT CCTCTTATCC NTGAATTGGT GGCCTGTTTC NTTCCAACCT	60
NTTGACCCAG GACAACGGCA TTTTACCATT TTCAAACCTG AGGCCCTGGA CCANTTNTTA	120
CTTCAAACCC ATGAATGCAA GGAGTTCCGG TTTGAAGCCA TCCTACACAG AATGAATNGA	180
GNTGCAN	187
(2) INFORMATION FOR SEQ ID NO:1429:	
<ul><li>(i) SEQUENCE CHARACTERISTICS:</li><li>(A) LENGTH: 438 base pairs</li><li>(B) TYPE: nucleic acid</li></ul>	
(C) STRANDEDNESS: double (D) TOPOLOGY: linear	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1429:	
GGCAGAGCTC GTCCANGANA GNATTNTNCC CCATGGGGAA GAACTNACAC TGCGTCCGGT	60
TTGTNCCCCA GGAGATGGGC GTGCACAGGT NCAGCGTCAA GTACCGTGGG CAGCANTTCA	120
CCGGNCAGCC CCTTCCAGTT CACCGTGGGG CCACTTGGTG AAAGGAGGCG CCCACAAGGT	180
GCGGGCAGGA GGCCTGGCCT GGNAGAGAGG AGAAGCGGGA GTCCCCAGCT GANTTCAGCA	240
TTTGGGACCC GGGGAAGCAG GCGCTGGAGG CCTCTCCATC GCTGTTGAGG GCCCCATTAA	300
GGCCGAGATT TACATTCGAT GACCNTAAAA ATGGGTTCGT GCGGTGTTAT CTTATATTGC	360
CCAAGAGNCT GGTAATTAGG AGTGTTCCNC AATTTCAATG TTGNGCACNT CCGGAAGCCT	420
ACNGGTGCNG TTNTGAAC	438
(2) INFORMATION FOR SEQ ID NO:1430:	
<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 359 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1430:	
GGTACAGTAA TCATGGACTC CCGTCACCCG GATACCCTGC TGGCGGCACG TTCTGGTAGT	60
CCGCTGGTGA TTGGCNTGGG GATGGGCGAA AACTTTATCG CTTCTAACCA GCTGGCGCTG	120

TTGCCGGTGA ACCCGTCGCT TTATCTTCCT TGNAAGAGGG TCGATATTGC GGAAATNACT

CGCCGTTCGG TAAAC	ATCTT CGATAAAAC	r GGCGCGGAAG	TAAAACGTNC	AGGATATTCG	240
AATCCAATTC TGCAA	TTATG ACGCGGGGG	A ATAANGGGCA	TTTTACCGTC	ACTACATGGC	300
AGGAAAGGGA TCTTA	CGAAA CANACCGAA	C GGGANTCANA	AAACNACCTT	TACNCGGAN	359
(2) INFORMATION	FOR SEQ ID NO:1	131:	: •		
	•				•

#### (i) SEQUENCE CHARACTERISTICS:

(A) LENGTH: 482 base pairs

(B) TYPE: nucleic acid

(C) STRANDEDNESS: double

(D) TOPOLOGY: linear

# (xi) SEQUENCE DESCRIPTION: SEQ ID NO:1431:

			· ·			
ccccccccc	TGAATGCCGA	AATGGTTGCC	GATGTGCGCG	TACTGGGGGC	CATTNGCGTG	60
GTCGAAACCA	CTNCATCCGG	TGAATATGGC	GGCGCTGCAA	AAATTCTTTG	TCGAACAGGG	120
TGTCTGGATC	CGGCCTTTTG	GCAAACTGAT	TTACCTGAAT	GCCGCCCTAT	ATTATTCTCC	180
CGCAACAGTT	GCAGCGTCTN	ACCGCAGCGG	TTAAACCGGC	GTTACCAGGA	TGAAACATTT	240
TTTTGCCAAT	AAACGAGAAG	TCCGCGTGAG	GGTTTCTGGC	TACACTTTCT	GCAAACAAGA	300
AAGGAGGGTT	CATGGAAANT	CATCAGTAAA	CGGTCTGCGC	GTTGGGGNTT	AAATTGCCCG	360
CANTCGTCAT	GTCTTTTAAC	GGGCATGGGG	TTACNGATGG	GGGTTAATAT	TTTCANCNGA	420
TTTGGGGTGG	GGNTGATGTT	CNCGNGGGGA	CGCAAAAGTT	TTTTTGTCAC	CTGTTACGNC	480
CC						482

## (2) INFORMATION FOR SEQ ID NO:1432:

## (i) SEQUENCE CHARACTERISTICS:

(A) LENGTH: 460 base pairs

(B) TYPE: nucleic acid

(C) STRANDEDNESS: double

(D) TOPOLOGY: linear

## (xi) SEQUENCE DESCRIPTION: SEQ ID NO:1432:

CAACGGATGA	AACCAAACCT	GGTGTGCGGT	CCGGTACAAA	TNTGCTGGCA	TAAATTCGCC	60
CGCNACTGGG	AATGTGGAGC	TGCGTGAAAT	CCCTATGNGC	CCCCGGTCAG	TTGTTTATGG	120
ACCCGAAACG	CATGATTGAA	AGCCTGTGAA	CGAAAACACC	ATCGGCGTGG	TGCCGACTTT	180
NGGCGTGACC	TACACCGGTA	AACTTATGAA	GTTCCCACAA	CCGCTGCACG	GATGCGCTGG	240
GATAAATTCC	AGGCCGACAC	CGGTATCGAC	ATCGACATGC	ACATCGACGN	TGCCAGGTGG	300
GCTTTCCTGG	GCACCGTTNG	TTCGCCCCGG	ATTATTCGTC	TGGGAATTNC	GNCTGCCGNG	360

TGTGAAATCG NTCATGTTTC AGGCCTNAAT TCGGTTTGGT TCCTTGGGTT NGGT	TTGGGTT 420
ATTGGGGTAA GANAAGCGTT NCCAGAATNG TTGTTNACGT	460
(2) INFORMATION FOR SEQ ID NO:1433:	
(i) SEQUENCE CHARACTERISTICS:  (A) LENGTH: 415 base pairs	
(B) TYPE: nucleic acid	
(C) STRANDEDNESS: double (D) TOPOLOGY: linear	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1433:	
AGCAGGGAGC AGCACTTTAT CGGGNTCGGT GNTTTCACCG TCAATGAACA ATT	TTTTNCG 60
GATTAAATAA GTTGATAGCA ATGGCGATGG TTTTACCCAG ATGACGACCG ACA	TACTCAA 120
TTACTTCCGA CGCCAAACTA TCGCCTTTNT TCGCGGCTTT GCAGATTAGT TTTC	GAATGGT 180
GCAGTCGTCC AGCGGCAGGA NCTGCTGGTA GCCCTGCTTT TAACAGGTTC AAC	ACCCGTT 240
GTTCCAATGG CAGCGTTGGC AGCGATATTT TTCCAGGCAG CCAAGTTGCC GCA	ATGGCAG 300
CGTTTCACCC AGCGGTTTCG ACCTGAATTA TGGGCCATTT TCACCGACGT TGC	CCTTGNG 360
GGCCAATAAA AATGCGCCCN TTTAGGGGNT NATNCCGGGG CCCGGGTNNC CCA	TT 415
(2) INFORMATION FOR SEQ ID NO:1434:	
<ul><li>(i) SEQUENCE CHARACTERISTICS:</li><li>(A) LENGTH: 469 base pairs</li><li>(B) TYPE: nucleic acid</li></ul>	
(C) STRANDEDNESS: double (D) TOPOLOGY: linear	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1434:	
TTCTGGGCAA AACCATGACC CGGAACAGAT TGATTTGATT	AGTTGTG 60
GCGTGGCNAG ATGACAATCA TCATTTCCGT CATTGTGGCT ATTGGCCTGG CTA	TTGGGAT 120
ATTTGGCAGT GGCGGAGGNG AAATGGGACG TCAACAGCAA TTATCACTCA GCC	CGACGTG 180
GGGCAAATTG CTGGGCTATA ACAATGCCAT GAATGTTAAT CTATGGTCAG GCT	GCACCGA 240
NAAGTTATCG GNTTTTCCAG GANGTCGTTN AATTGGTCGG TTTTCAGTTC TGC	CONNCTC 300
TGGCATTNAG CAGAAAACGC TTGGGATAAT TCAGGGNAGG GANCGNGGAA AAN	INTTTACC 360
CNTGGGAAAC CTTGCTGTTT TAGGAANCCA GGCAATTTTA CCCTTGGATC TTG	STTTTCTT 420
AATGNTNNGG GGCAAAACTN TCAGAGGGGG GGGCACAATT TGATAGTTT	469
(2) INFORMATION FOR SEQ ID NO:1435:	

<ul><li>(i) SEQUENCE CHARACTERISTICS:</li><li>(A) LENGTH: 184 base pairs</li><li>(B) TYPE: nucleic acid</li><li>(C) STRANDEDNESS: double</li><li>(D) TOPOLOGY: linear</li></ul>			·
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(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1	435:		
GTGAAGGGCT GAAAAATCGC TACGGCGCGC TGATGGNNGC	CATTTNCGGC	GTGCACTACA	60
NTTTCTCTTT GCCAATGGCA TNACTGGCAA GCAAGTGCGG	TGNTATCTCG	GNCGCTGATG	120
CCAAANAGAA AATTTCTGCG GGCTATTTCC GCGTTATCCG	CAATNACTAT	CGTTTCGGTT	180
GGGN			184
(2) INFORMATION FOR SEQ ID NO:1436:			
(i) SEQUENCE CHARACTERISTICS:		•	
<ul><li>(A) LENGTH: 402 base pairs</li><li>(B) TYPE: nucleic acid</li></ul>	•		
(C) STRANDEDNESS: double			•
(D) TOPOLOGY: linear	٠	· .	
		· ·	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1	436:		
TAACCCGTCT NACCTTGAGA TTGTAAGCCC GGTAGTTATC	GGTTCTNTTC	GTGCCCGTTT	60
GGACAGACTT GAATGAGCCG AGCAGCAACA AAGTGCTGCC	CAATCACCAT	CCACGGTGAC	120
GCCGCAGTGA ACCGGGCAGG GCGTGGTTCA GGAAACCCTG	AACATGTCGA	AAGCGCGTGG	180
TTATGAAAGT TGGCGGTANG TAGTATTCGT NNATCAACAA	CCAGGTTGGT	TTTCACCACC	240
TCTAAATCCG CTGGATGCCC GTTCTACGCC GTACTGTACT	GATNTTCGGT	AAAGATGGTT	300
TCAGGCCCCG ATTTTTCCAC GTTTAACGCG GACGATNCGC	AAGCCGTTNG	CCTTTNTGAA	360
CCCGTTTGGG GGTTCGTTTT NCGTAACAAC TTTTAAAGGN	I GA		402
(2) INFORMATION FOR SEQ ID NO:1437:			
<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 375 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	·		
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:			
GGCGGCGTA TTAAGACCAC GNTCAAGGCC AGCTGTNAAC	GCATCGGCAG	AGTTTTCCTG	60
CGGCGGCAAA CCTGNGNCAT TCAATGAGTG ATTTAACAG	AAATAATGTA	ATTCACCGGT	120

CATCACGGTG CGNAAAATCG TTGAATTTGC TGGCTNTCGG NCTGCACCCA TTTGCAATGG	180
GTTCCGGGCA TGNCATAAAG AGAGGAAGGA GCCAGNGCTC GCGCGCCGNT TCAATTGTGT	240
TTCTTCCGNC GGGNGTTCAC ATTGTGGTTT ATCGTCATGA GAGACACATT AATCCGGGGA	300
TTAATCCCAG ATTATTGTNC GCCAANTNGA CGNTTAATTT GTTTCGGCCA TTAGGACGGG	360
NAAAACAGGG CCAGG	375
(2) INFORMATION FOR SEQ ID NO:1438:	
<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 330 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1438:	
TCAGAGGCAA GTTCAGACCG TGTTGTTTTC TTTTCACGGA TCCNGCCCTN NCTTCCCGNA	60
AAGAAGACAG CCTTGGGTCG CGATTGTGGG GCTTNGAAGA GTCCAGCAGT GGGCAATTTC	120
TAGGAATTTG GGAATCGAGT GCATTTNCTG ACATTTGAGT ACAGTACCCA GGGGTTCTTG	180
GAGAAGAACC TGGTTCCCAG AGGAGCTTGA CTGACCATAA AAATGAGTAC TGCAGATGCA	240
CTTGATGATG GNAAACACAT TTAAAATATT AGTTGGCAAC CAGGTNATTN CATCTTGGNT	300
TTTATGGGGG GAAAGGTTGC AGTCAGNGGG	330
(2) INFORMATION FOR SEQ ID NO:1439:	
<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 464 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1439:	
GCATGANGAA TGTNCAGCTC GTCGATTTCN TGGGGTTCCG CGCGGCCCAG ACTCCAGCTC	60
AACGCTTTCT CTTTNATCTC TTCATAGAGC GCCANACGGC GTTTTTCGCT CAGCTTTTTG	120
GGAATCATTC AGCCCGGCAA TCGGGCGCGC CCGGGTCAAG GATCACCGCA GCGGTGACGA	180
ACCGGCCCAA CTGAACGGAC CCGCNTCCGA TTTCATCCAC ACCCGGCAAC CAGCTGNGTG	240
TGCGGGATNA AACAAATTCG GTGCATTGTG NTNAATNCCA GNAACGGTTT GTGCCACCTG	300
GTNCATCGGA CATTGACAGC GGNTTTGCTA GATGGNAGTT NCACGGNAAG GTTTTCGTNN	360

CANCGCGTGG TTGGTTTTNC CNGTTAGGNC AACAGTGGTT AACAGTGACC GCAGCCAGTT

TTTTAGGGTT CACATTTTTN CTGGCANTAA TTATTTGGGA TTAA	464
(2) INFORMATION FOR SEQ ID NO:1440:	
<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 384 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1440:	
ATACGTCCGG TGGAGAAGGA GATATGGCAC AGCACTAAAG AGGCCACCAT CAC	CACCATT 60
TCTGGCGCAC CAAGTGCAAA CTGCAATTCG TTACCCGTCA TAAAGGCAAT TAG	CCTGACG 120
ACAGGTNACG GTGAAGCGAA AATGGTTGCT AACACTGGAA CCAAAGAACA GAT	TCATCGC 180
GCGCTGAAAC CTGGTTGTTC AACACTGCTT TTNAATGCAC CTGAAACCTT CCG	GGCGACAG 240
ATTCAACAGT GCCACCAGGN AAGCCAGTTA AAGGCGACCA GGGGTCATTT CAT	CGCTGTTC 300
GAGGCAATGT CTTCCCAGCG AGCTTGGCGT TNCATTTTTG GTTCACCGNA ATT	PAACGGGN 360
AATTCAGNTG GGNTAATTCA AACC	384
(2) INFORMATION FOR SEQ ID NO:1441:	
<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 482 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1441:	
GANTACCAAT GGTACCGACC AGCATAGAAG CCATAAAGGT TGACCACTCA ATA	
CGCTGGTCAT CAAGATCATT CGGGAACCAT GACCTATCGA GCCAAGCAGC GCA	
NTTAATTTCC GCTCTGTAAA ACGTTCATCA TGCCTTTGAA TTTGCCCGCT ACA	
NAAGGCTNCA TACTGGTATT GCAGGCTGTT ATCGGCAAAC TGGGTGCGTT CGC	
ATAATACGGA CGGTATTNAC CGTCCAAGNC GAAAGGCTGG TNCCGGGAAT NAC	
GNCAGTTCCT GCGGGTTAGG NAGGGCGTTC ANGCCCTGAC GCCCGGGNAA TG	
CGTTTGGAGG GTNCATCGTN CAGTGNCAAC CCACCATTGG TTTGNATACC CCC	GTTCCCAC 420
GTTTGNCATG NACNTTTTT TNAAGTTTCA CTGGGGCAAA ATCGGTTATT CGI	NGGGGCCT 480
GN	482

(2) INFORMATION FOR SEQ ID NO:1442:

	<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 321 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
	(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1442:	
ΑZ	ACTCCGTGC NTGGCGACCG CAGCCCGGTT GTAGATATCA NCTTCCCGGA AATCGAGAAG	60
· <b>T</b>	TTGACCGTN TACCGGAACC GCGCGCCGAA GGCCGGACCG CTTTTTTTTC CATCATGGAA	120
G	GCTGCAATA AATATTGCAC CTACTGCNTG GTGCCTTACA CCCGTGGTGA AGAGGTAAGC	180
C	GTCCGTCCG ACGGATATTC TGTTTGAGAA TTGCCCAGCT TGCGGCTNCA GGGCGTGCNT	240
G	AAAGTCCAA CCTGCTCGGT CAGAACGTGA AACNCCTGGN GTGGGTGGAA AATAACGACG	300
G	GCACCACCG GTTNCGTTTT G	321
(	2) INFORMATION FOR SEQ ID NO:1443:	
	<ul> <li>(i) SEQUENCE CHARACTERISTICS: <ul> <li>(A) LENGTH: 361 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul> </li> <li>(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1443:</li> </ul>	
т	TTCTGCATC CCCTGCGGGA AGCCTGCTGC CATGACAGCC TGAGCGTGAA TGCGCGGNTA	60
Т	CAATGCCGA CAATTCACGN CCGTATCACC CCAACAAGCG CAGATGTTTA AATATCATCA	120
G	CTCGCGGTG GACAACAATT GGCACTCCCG TAGACTGNCC CTCATTGCCA TCAATCCGGC	180
Т	PATCAGGGGC GCATGGCGAT CCACGNAAAT GGATGGTGGT GACGCCGGNA ATTAACGGGN	240
С	CGCTAATTG CATGAAAAAT GTGGATGNAA CAAGCACTGG GAGGCGAACT TAGTACCGGN	300
С	CAACAACACA AGGNCCTTCA ATCAAAAATG GGCCTGCAAA AAGTGATNAG CGGTGTACAC	360
N	ı.	361
(	(2) INFORMATION FOR SEQ ID NO:1444:	
	<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 480 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	

.. (xi) SEQUENCE DESCRIPTION: SEQ ID NO:1444:

TTATAACGGC	GCGCTGGTAC	AGAAGGCCGC	TGATGGTAGC	ACCGTGGCGC	AAACTGCTCT	60
CAGCTATGAC	GACTATCGTT	TCCTGGAAAA	ACTCTCTCGC	GAGTCGGTTC	TCATTTCNAC	120
GCCCTGGACC	GCACCACGCT	GTACACCGCC	AACCGTGAAT	ATCAGCTACT	ACACGGTGCA	180
TGAATCCTTC	GTTGCCACCA	TTCCGCTGGT	GTTCTGCGAG	GGAGNAAAAT	GGACCCCAAT	240
ACCCAGTTCC	TGAAAGTGAA	TGATGATTGA	TGAACCCGCC	ATCCTCGGAC	CAGGCTTATT	300
CGCGCGTTAT	TTCCGCAGAA	GTTGNAAAGA	GGAAATATTA	CCGTGCTTGN	AAAAGTGGCG	360
NCNGTAATTT	CCTCGGAATT	CCTCGGTTAA	ACGGGGTTAA	ACAAAGGTTA	CGGGGGGTNG	420
AAAATCATTG	GGCCNACGTN	TTAAGTTTTT	NAAACCGGAG	GGAATTCATG	GGGGNTTTGG	480
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#### (2) INFORMATION FOR SEQ ID NO:1445:

- (i) SEQUENCE CHARACTERISTICS:
  - (A) LENGTH: 314 base pairs
  - (B) TYPE: nucleic acid
  - (C) STRANDEDNESS: double
  - (D) TOPOLOGY: linear

## (xi) SEQUENCE DESCRIPTION: SEQ ID NO:1445:

GGCACGAGTA	ACTCTNTCTT	TTCCTGATAA	CATGGCCAGC	AAGAAAGTAA	TTACAGTGTT	60
TGGAGCAACA	GGGGAAGCTG	GTGGCAGACT	CCGCCAAGCA	CCTGGGTCTG	AAGCACGTGG	120
TGTACAGCGG	CCTGGAGAAC	GTCAAGCGAA	CTGACGGATG	GCAAGCTGGA	GGTGCCGCAC	180
TTTGAACAGC	AAGGGCGAGG	TGGAGGAGTA	CTTCTGGTCC	ATTGGCATCC	CCATGAACCA	240
GTGTCCGCNT	GGCGGCCTNA	CTTTGAAAAA	CTTTTCTCGN	GGNGTGGCGG	CCCGTGAAAA	300
GCCTCTGAAT	GGNG					314

## (2) INFORMATION FOR SEQ ID NO:1446:

- (i) SEQUENCE CHARACTERISTICS:
  - (A) LENGTH: 329 base pairs
  - (B) TYPE: nucleic acid
  - (C) STRANDEDNESS: double
  - (D) TOPOLOGY: linear

# (xi) SEQUENCE DESCRIPTION: SEQ ID NO:1446:

TAATGCNCAC	GGAACTGGAA	GGGAATTTTA	AATGATTCCA	CCCTGCTGGC	GGATCTCAAT	60
AGCCCATTGC	CAGAAGGCTC	CGTGCGTAAC	TGGAATCCTG	CCGGTCGTCG	CGGNNTAGTG	120
AATTCTGGTC	ACTAAAGAAG	CGCATTGCCT	TGGCGATTTG	TTGATGAAAG	CCAATTAACG	180

GCGGCCTGGA TGTCGAAATC GCGGCAGTTA ATTGGTTAAC CACGATAATT TACGTTCTCT	240
GGTTGAGCGT TTTGAATAAT TCCGTTTGAG CCTGGTAAGC NCATGNAAGG GTTTAACCCG	300
NAAAGGNGCA CGNTTCAAAA GATGGGGGG	329
(2) INFORMATION FOR SEQ ID NO:1447:	
<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 353 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1447:	
ACTAATGGCA CCTGCAGATG ACCGTGGGCT GGATTTTCAG TAAGTCTCTG GGGGTTGATG	60
AATCCACCGT GGCAATCGTT GTTATGGCAA CCATGCTGCT GCTGGGTATC GTTACCTGGG	120
AAGACGTGGT TAGAAATAAA GGCGGCTGGG AATACCTTAA TCTGGTACGG CGGTATTATC	180
GGCTTAAGCT CCTTATTATC GAAAGTTAAA ATTNCTTCGA ATGGGTTAGC TGAAGTCTTT	240
AAAAATAAAC CTGGGCATTT TGTGGGTCCA CGGGTAACGT TGNGTGTCTT CGTTAATTAT	300
TTTNCCTCAG GATTGTTCGT GGCGTTAATT TCCTTNNGNT TTCCCGTTAG GTG	353
(2) INFORMATION FOR SEQ ID NO:1448:	
<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 115 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1448:	
	60
GGCANGAGGG NAGACAGAAA ACAGGTCTTG NTTCCCCAAN TGGCATTGGA CTTTTCTGAT	
ATTACTGCCA ACTCTTTTAC TGTGCACTGN GATTGCTNCT CGAGCCACCA TCANT	115
(2) INFORMATION FOR SEQ ID NO:1449:	
<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 266 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	

CGCCCCGGCC GGCNCTTTTC GCAACGATAA ATGTGGCGAT ACTATAAAAA TTGAAAGCCC	120
CGGGTACTTN ACATCTCCTG GTTATCCTCA TTCTTATCAC CCAAGTGAAA AATGCGGATG	180
GGCTGATTTC AGGGTTCCGG ACCCCATACC AGNGNATTAT GATCAAANTT NAAACCTTCA	240
ATTTGGATTT TGGAGGGACA AANGAC	266
(2) INFORMATION FOR SEQ ID NO:1450:	
<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 390 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	v u
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1450:	
GGCANAGGCA AAGATCCCTG AGGATGTGTC TGGTCTCGTT TCTCTTGAGG TTCTTATCTT	60
ATCAAACAAT CTTCTAAAGA AGCTTCCCCA TGGTCTTGGA AACCTTAGGA AGTTAAGAGN	120
AGTTGGGATC TAGAAGAGAA CAAATTGGGA ATCCTTGNCC AAATGNAAAT TGNCATATCT	180
TAAGGNTTTA CAGAAATTAG TCTTGACAAA CAACCAGTTG ACCACTCTTC CCAGAGGCAT	240
TGGTCACCTT ACTAATCTGC ACACATCTGG GGCCTTGGAG AGAACCTGAC TTGACTGCAC	300
CTTTCCTGNA GGAAATTGGT ACACTGGGAG GAACCTTGGA GGNACTGTAT TTGNANTGAC	360
AAACCCCAAC CGGCATAGGC NTTCCCTTTT	390
(2) INFORMATION FOR SEQ ID NO:1451:	
<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 313 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1451:	
GCGAAGCTGC CTGCAACCTG GAACCGGGNA GCGGCACAGG AGACGGTGCG GCTGCTGGGC	60
GGGCCAGNGA AGCAAGGNGG GGCCGCCCCG AGGGAAACCA TGCTGCCTTC CAGGCTGACG	120
TNTCTAAGGC CAGGGCCGCC CAGTGCCTGC TGGAAACAAG TNCCAGGCCT GCTTTTTTCG	180
CCCACCATCT GTGCGTTGTN TCCTGTGCGG GGCATCACCC AGGATGAGTT TTCTGCTGCA	240
ATTTGTTTGA GGATGACTGG GANCAANTCA TNAGCTGTNN AACCTCAAGG GGCACCTTTC	300
CTAGTCACTC AGG	313
(2) INFORMATION FOR SEQ ID NO:1452:	

<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 180 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1452:	60
TENANCACAC GGGTATTAAA ATCATCGGCA AAGCAGCTAT TAAAAA1110	
GTCGTCGCCT TTAATCAGAC GUGTACTGTT CATTAGTTCA TCCCCAACCA NTGGGGGNTC AATCAACTGC TCGTANTGGT GTGTACTGTT CATTAGTTCA TCCCCAACCA NTGGGGGNTC	120
AATCAACTGC TCGTANIGGT GOOTTAACA TCCTGTCCGT GGTTGTCGTA ANTTAATTTG GCACTGCATC ACCGTNCGAG ACGNTTAACA	180
TCCTGTCCGT GGTTGTCGTA ANTIAATTIC	180
(2) INFORMATION FOR SEQ ID NO:1453:	
<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 489 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1453:	
CACCCGCTTC AGGTGTTCGA GGTTGAACAG CAGGATAATO	60
AACCTGGCCT CANTTIGATI CHOOSE  AAATGNTGGT CTATGCTGCC CCCCGTGAAT GTGCGTGAAA CGTACCTGGG CAGCTTGATA  AAATGNTGGT CTATGCTGCC CCCCGTGAAT GTGCGTGAAA CGTACCTGGG TGTGCGGATT	120
AAATGNTGGT CTATGCTGCC CCCCGTGTATT  CGCCTTTATT TACGTTGCGC TTTTTCTCCC CACAGGTAAG GTATTGTCGG TGTGCGGATT	180
CGCCTTTATT TACGTTGCGC TTTTTCTCCC CACACATTATC CGCTCAATAT TTTGCAGGAC	240
CGCCTTTATT TACGTIGGGC 1777  GAGCATTTTC AGGGGGCGCT GAATAACGGT CCTCATTATC CGCTCAATAT TTTGCAGGAC  GAGCATTTTC AGGGGGCGCT GAATAACGGT CCTCATTATC CGCTCAATAT TTTGCAGGAC	300
GAGCATTTTC AGGGGGGCCCT  GTGTAAGGTC ACAATCGAAA ACACAGAACG TTATGCTGAG TTTAAAAAAGT GGGCAACTTA  GTGTAAGGTC ACAATCGAAA ACACAGAACG TTATGCTGAG TTTAAAAAAGT GGGCAACTTA	360
GTGTAAGGTC ACAATCGTAAT  AAGCGNCGCG TNTTCAGCAA AAGGTGGAGT TTCTGGGGTCA CTGGGGATTTT TCTGAGGCAA  AAGCGNCGCG TNTTCAGCAA AAGGTGGAGT TTCTGGGGTCA CTGCAGGACA	420
AAGCGNCGCG TNTTCAGCAT TEE  CGGNGNGNCG TTATTAACCG GTTAGTTCAG TGGAAAATTA ATTGGGTTAC GTGCAGGACA  CGGNGNGNCG TTATTAACCG GTTAGTTCAG TGGAAAATTA ATTGGGTTAC GTACAGGTTA	480
CGGNGNGNCG TTATTAACCO OF STATE OF THE STATE	489
GGGTCNNGG	
(2) INFORMATION FOR SEQ ID NO:1454:	
(i) SEQUENCE CHARACTERISTICS:  (A) LENGTH: 325 base pairs  (B) TYPE: nucleic acid  (C) STRANDEDNESS: double  (D) TOPOLOGY: linear	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1454:	

A MCCCA A ACG	60
TATCAATGCC GAGAATATCC AGCCACTGCT GCACCANTTT TTGCTGGCGA ATCCGAAACG	120
COURTAIN TIGGCCANTCG GAATCAAAAT GAGNCCAGTA AAGGAATGCA CATTNACGGN	1.80
ACCEMAGNIT NGNAGCCCGG TNAATGCCAG ATGGCAAACT AACTTGCTGN ACGTGAACCG	
NAMES OF THE TRANSPORT	240
CGAAAAAGGC GGTGCAAATC GTTTGCTGTT AACCTTGCGG GATGGATNGT CATTAACCAG	300
GGTTTNATTA AGTGNGTTTT NCCGG	325
(2) INFORMATION FOR SEQ ID NO:1455:	
<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 238 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1455:	·
AACCATTTCG ATATCTCTCT GGCGATGTTT ACCCATGTGG GCGCGGCGGC ACCGGGTAAT	60
AACCATTTCG ATATCTCTCT GOOGLETT GOOGLET GOOGL	120
CCTACCGCTA TCGATACCCA CIGGATITOS COSCOCATOR TCGATACCCA CIGGATITOS COSCOCATOR TCGATACCCA CIGGATITOS COSCOCATOR TCGATACCCA CIGGATITOS COSCOCATOR TCGATACCA CIGGATATOS COSCOCATOR TCGATACA CIGGATATA COSCOCATOR TCGATACA CIGGATATA COSCOCATOR TCGATACA CIGGATATA COSCOCATOR TCGATACA COS	180
CCGCTGGAGA TTAAAAACGG AAAAATTGCC GTTGGTGAGGCC TATAAAACGT CTGCCTGG	238
GCTGGNACTG GGGAACAGGT NNCAAAAGGC ACATGAGGCC TATAAAACGT CTGCCTGG	
(2) INFORMATION FOR SEQ ID NO:1456:	
<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 414 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1456:	60
GGCACGAGCC TTCATTGCCT CATGTAAGAC AACCTCACCA AATACAAGAA AACAGTGTCC	
AGGGACCTT TGACACAGTT TTTNCTTGAT TGTGGAGGAC TAGCTCGAAC AGATAAGAAA	120
CONCCONTIT GTAAAAGTTA TCTCAAACTA ATGACAGANC TGTGGCATAA AAGCAGGCCA	180
GGATCTGTTG TGCCTACTAC TCTGTTTCAA GGAATTAAAA CTGTAAATCC AACATTTCGG	240
GGGTATTCTC AGCAGGATGC TCAAGAATTC CTTCGGTGTT TAATGGATTT GCTTCATGAA	300
GGGTATTCTC AGCAGGATCC TOTAL  GGATTTGAAA GAGCAAGTCA TGGAAGTAGG AGGAAGGTCC GGNAAACCAT AACCCCTTNT	360
GGATTTGAAA GAGCAAGTCA TGGAMOTTO GGGGGGCCAT TGGGAGGGNG GGNCAAGGGC NATCCGGTTT TTGGGTTTTC CAGG	414
GGGGGCCAT TGGGAGGGNG CONTROL (2) INFORMATION FOR SEQ ID NO:1457:	
(2) INFORMATION FOR SEQ 22	

(i) SEQUENCE CHARACTERISTICS:

(i) SEQUENCE CHARACTERISTICS:

(A) LENGTH: 415 base pairs(B) TYPE: nucleic acid(C) STRANDEDNESS: double(D) TOPOLOGY: linear

(A) LENGTH: 384 base pairs

<ul><li>(B) TYPE: nucleic acid</li><li>(C) STRANDEDNESS: double</li><li>(D) TOPOLOGY: linear</li></ul>		
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1457:		
GGCACGAGGA CATATTGATC CCTCTCTNAG ACTCATCTGG GATTTGGCTT 1	rccttggaag 6	0
CTCTTACGTG ATGTGGGAAA TNACAACACA GGTGTCACAC TACTACTTGG (	CACAGCTCAC 12	0
TAGTGTGAGG CAGTGGAAAA CTAATGATGA TACAATTGAT TTTAATTATA (	CTGTTCTACT 18	0
TCATGAATTA TCAACACAGG AAATAATTCC CTGTCGCATT CACTTGGTCT C	GGTACCCTGG 24	0
CAAACCTCTT AAAGTGAAGT ACCACTGTCA AGAGCTACAG ACACCAGAAG A	AAGCCTNCGG 30	0
GAAACTTGAA GGAAGGATCT NCNTGTAGTT ACCCAACAGA GCTTTAGTAA 1	гттттаааа 36	0
AGGAAAAANT GATNCTTTTT TCCG	38	4
(2) INFORMATION FOR SEQ ID NO:1458:	· :-	
<ul><li>(i) SEQUENCE CHARACTERISTICS:</li><li>(A) LENGTH: 468 base pairs</li><li>(B) TYPE: nucleic acid</li><li>(C) STRANDEDNESS: double</li><li>(D) TOPOLOGY: linear</li></ul>		
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1458:		
CTGCTGCCCC TNAGGGGCCA AGCCAACANA GGCTGCTACG GGATCCCAGG	GATGNCCGGC 6	0
CTGCCCGGGG CACCAGGGAA GGATGGGTAC GACGGACTGC CGGGGCCCAA G	GGGGGAGCCA 12	0
GGAATCCCAG CCATTCCCGG GATCCGAGGA CCCAAAGGGC AGAAGGGAGA A	ACCCGGCTTA 18	0
CCCGGCCATC CTGGGAAAAA TGGCCCCATG GGNACCCCCT GGNTNTTTAA C	GGGTGCCCG 24	0
GCCCCATGGG CATCCTTGGA GAGCCAGGTN AGGAGGGCAG NTACAAAGCN C	GAANTTTCCA 30	0
GTTAAGTTTT TCACGGGTCA NTNGGCAGAC CCCAACCAGC CCCTTGNAAC C	CNAAAAGCTT 36	0
NTTANNTTTA AAGGGGGGTT CTTAACAAAC CCGAAGGGGT TTTTTNNACA A	AGGGCAATTG 42	0
GNAATTTTAA CTTGAAAANT NCCCGGTTTT AATATTTTTT TTTTACCA	46	8
(2) INFORMATION FOR SEQ ID NO:1459:		

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1459:	
GGCANAGCCA GCATCAGGCT TCCAGAGTTT GCAATTCCGA CTATTAGAAA ACAAGATAGG	60
TGTTCTTCAG AACATGAGAG TCCCTTATAA CAGAAGACAT TATCGTGAAT AACTTCAAAG	120
GAGAAGAAAA TGAACTGCTA CTTAAATCTG AGCCAGGAAA AGACACTTCT GGAAATTAGT	180
GGAGGCATGG CTGGAAAGAA CTCCAGGTTT AGAGCCACAT GGATTTAACT TCTGGGGAAA	240
GCTTGAAAAA AATATCACCA GAGGCCTGGA AAGAGGAATT CCNTAAGGTT TCAGGCTAAA	300
GAAGAGTCTG ANGAAAAGGG GGAACAGTGG CTGAATTTCC GANGCAAAAG AGGTGCTATG	360
TCCNTATTTG TTGAGAAACG TCCTGAACCA TTCCCTTNGT NAAGGTTAAA NACGG	415
(2) INFORMATION FOR SEQ ID NO:1460:	
<ul><li>(i) SEQUENCE CHARACTERISTICS:</li><li>(A) LENGTH: 472 base pairs</li><li>(B) TYPE: nucleic acid</li><li>(C) STRANDEDNESS: double</li></ul>	
(D) TOPOLOGY: linear	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1460:	
GGCACGAGCT CGGCTACATT CACCTGCTAT GCTTGTNACT CCACCCTGCT CTAATGCCGC	60
TTTCTCTGCA GGCTCTTCTT GGTTCCCCAA GCTAAGTGGC TCTTGCCCTT GTGTACCTGC	120
ATTGCAGTTT TATGATACTT CTCATGTCGT GTCTGTGCTT TCCTACCATG CATTATTATT	180
CACGTGCTTG TCTCATCTCT TCTGCCAAAT TCTAAGCATC TGGATGGCTG GGTTTAAGTT	240
GCATCTCTGT GTCCTTCAGA CCATATGCCA TAGTGCCTTG TGCCTCACGG TGACTTGTAT	300
GCATCTCTGT GTCCTTCAGA CCATATGCCA TAGTGCCTTG TGCCTCACGG TGACTTGTAT TTTGCAGAAG CTTAACAGAT ATTAACTGGG ATATCCAATT ATAAAAGAGT CATNAAATAG	300
TTTGCAGAAG CTTAACAGAT ATTAACTGGG ATATCCAATT ATAAAAGAGT CATNAAATAG	360
TTTGCAGAAG CTTAACAGAT ATTAACTGGG ATATCCAATT ATAAAAGAGT CATNAAATAG ATGGTATTT ATGGTTAACA ATATTTAAAT GTAGGAAGTT TATTCAGTTC CTGCGNAAAA	360 420

(C) STRANDEDNESS: double
(D) TOPOLOGY: linear

AAGTTCCCCT TTCTTTCCAG AGATATTTTT TCCAGAAACT ACAGTCTACC AGCATCAAGC 12	0
TTGCTCTGTC ACCATCGCCC CGGAATCCTG CAGAGCCCAT TGCTGTCCAG AATAACCAGC 18	0
AGCTGGCGCT AAAGGTAGAG GGAGTGGTTC AGCACGGGAT CTAAACCAGG ACTCTTCCGC 24	0
AAAATTCAGT CTGTCTGTCT TGAATGTTTT CTTCCACACT GCAGAGTAAA ATCTGGGACA 30	0
AGACTTACAA GGTTACCCCA TTTGACAAAC ATGGACCCAA TGNGGTTGGA GCAAAGGGTT 36	0
TGAACCNCCN AATGGTTATT TTCAGTACTC NATTTCTGTT GGAACCTTTG GTTATCCTTG 42	0
GGACCACACA CCTTTCAGTG GGATNTTTTT TTGAAAGATG NCCATGGTTT GGTTTTGGAG 48	0
GCTTGAG 48	7
(2) INFORMATION FOR SEQ ID NO:1462:	
<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 243 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1462:	
GTTCGGCGTT TTGCGTCGCT GTGNCCTTCC ACCATCGNAA TCATCCGATC CAGAAATNTC 6	50
TCGCCGGGGT TAACGCTACA CTCAATCACC AGCCAGTNAG AAAGNAATAC GCGTGCCTTC 12	0 :
GGTGAACGGA GGCAAANATN CGCCGCCGGG ATTCACGGAT CACCGGTGAC CNATNTCCCC 18	}0
GGTGATGGTC GNTTTGCATA CGACCGANGC ACCCCCTTCA ATAAACTTNA CCATCGCAGG 24	ł O
GGG 24	ŀ3
(2) INFORMATION FOR SEQ ID NO:1463:	
<ul><li>(i) SEQUENCE CHARACTERISTICS:</li><li>(A) LENGTH: 487 base pairs</li><li>(B) TYPE: nucleic acid</li><li>(C) STRANDEDNESS: double</li><li>(D) TOPOLOGY: linear</li></ul>	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1463:	
GGCANAGCCG CAGGACCCCA TCCTGTTCTC GGGGACCCTG CGGATGAAAC CTGGACCCCT 6	50
TCGGCAGCTA CTCAAAGGAG GACATTTGGT GGGCTTTGGA AGCTGTCCCA CCTGGCACAC 12	0 :
GTTTGTANGG TCCCAGCCGG CAGCCTGGGA CTTCCAGTGC TCAAAGGGCG GGGAGAATCT 18	}0
NAGCGTGGGN CANAGGCAGC TCGTNTGCCT GGGCCCGAGC CCTGCTCCGC AAGACCCGCA 24	ŀΟ

TCCTGGTTTT AAAACGAGGC CACAGCTGCC ATCGAACCTG GGNGACTGAN AACCTTCATT

CCAGGGTTAC CATCCGGNAC CCAATTTGAA TACCTGNANT GTTCCTGACC NTGGAAAACG	360
GNTTTAACAT TTTCNGGATT ACANCAGGTN CTGGTTCCTG GACAAGGAGT AGTAGTTGAT	420
TTAATTNTCC AGCCAACTTC NTGCAGTAGN GGCATTTTTT AGGGATGGCC AAAATNTTGG	480
ATTTGTC	487
(2) INFORMATION FOR SEQ ID NO:1464:	
<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 205 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
A 1 A CONTRACT DESCRIPTION GEO ID NO. 1464	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1464:	
CCTGTGTACA NAGGATTGCT NCCNCTACGC TATGTGGGAC ATTGNCCATC CCATGCAACA	60
ACAAGGGAAG CTCNATCAGT GGGTTTGAAT GTGGTGGCAT GCTGGGCTCG GGAAAGTTCT	120
GCGCATGCGG TGGGCACCAT TTTTCCCCGT TGAGACACCN CATGGGAAGG GTTNATGTCC	180
TNGTCCTCGT NACTTCNGAC AAGAG	205
(2) INFORMATION FOR SEQ ID NO:1465:	
<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 426 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1465:	
GGCAGAGGAT TTGAGTGGCA TATAACCAAA GGCGGAAATA TTGGGGCTAA GTGGACTATT	60
GACCTGAAAA GTGGTTCTGG AAAAGTGTAC CAAGGCCCTG CAAAAGGTGC TGCTGATACA	120
ACAATCATAC TTTCAGATGG AAGATTTCAT GGAGGTGGTC CTGGGGCAAG CTTGACCCTC	180
AGAAGGCATT CTTTAGTGGC AGGCTGAAGG CAGTAGGGGA ACATCATGCT GAGCCGGAAA	240
CTTCAGATGA TTCTTTAAAG ACTTACGGNC AAGCTTCTGG AAGGGGCACA CTNACACTTT	300
TTANTGAAAA ATGGGANTCC TTTAAATAAC TCTCTTTCAC CCCAANTANG GTTTGGNTTA	360
TTCTGGCAAA AGTGATTTAG GANCTTAGGT TGCAGGGGAA ATTGGTTTTA ACTTTTTNCA	420
GTTTTC	426
(2) INFORMATION FOR SEC ID NO:1466:	

(A) LENGTH: 381 base pairs(B) TYPE: nucleic acid(C) STRANDEDNESS: double

(D) TOPOLOGY: linear	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1466:	
(XI) SEQUENCE DESCRIPTION: SEQ ID NO:1400:	
GGCAGAGCTT TTTCCANAAT TTAAAATTGT AATAGAAACA GAAGATGAGA TTA	ATGCCTGA 60
GGTTGTGGAA AAGGAAGATT ACTCAAAGAT TATAGGGAGC ATGGGGATAT AAT	rgggaaag 120
CAACACTCCA GTGGTGCAGA TGCTCACAGT CTTATGGAGG AGCCCAAATG AAT	PATCTGGG 180
GAAGTTAAAG TCCATATGAA TGNACTGATA AAGAGTACAA TACAGGTGCC ATG	EGGGANCA 240
CGTGNGCATT CACTGGAAGA CTGCCTGGNA GGGGGCCGCG CGTGTTTTCC ATG	GCCTATT 300
ACGGTTAANC CTGGTNACAT AATGGAAAAT GCTTATNCTT TAGGTGGAAA GGN	NGAGCCTN 360
GAGTTTAGCC GGTTTCAGGG T	381
(2) INFORMATION FOR SEQ ID NO:1467:	
<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 209 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1467:	
GGAACGACCT TAATNAAAGC NATTNAGGCT TATGGAATGA NGCCACATNA AAT	PATTCAAG 60
GCAAATAACC TTTTTANGAA TTGGAAAACA TGNCCCAGGT TCAAACTACT CTG	GGTGGCTC 120
TGGACAGGTC TGGCTNAAAN CAAAAGGTTT CCATACANCC ATTGACATTG GGC	GTTAAGTT 180
TGCGGANAAC CAANCAAGAG GTTTTGATG	209
(2) INFORMATION FOR SEQ ID NO:1468:	
<ul><li>(i) SEQUENCE CHARACTERISTICS:</li><li>(A) LENGTH: 57 base pairs</li><li>(B) TYPE: nucleic acid</li><li>(C) STRANDEDNESS: double</li><li>(D) TOPOLOGY: linear</li></ul>	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1468:	
GGCANAGCTC GAGTTTTTT TTTTTTTTTTTTTTTTTTTTTTTT	CCCCN 57
(2) INFORMATION FOR SEQ ID NO:1469:	
(i) SEQUENCE CHARACTERISTICS:	

(A) LENGTH: 265 base pairs(B) TYPE: nucleic acid

(i) SEQUENCE CHARACTERISTICS:

(A) LENGTH: 159 base pairs(B) TYPE: nucleic acid

<pre>(C) STRANDEDNESS: double (D) TOPOLOGY: linear</pre>			
		. •	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:14	169:		•
AGATGCAACT ACCATCACAG AATGTNTTCA TACCTNNNGT	AAAAGCTGCA	TCGTAAGACA	. 60
TTTTTACTAC AGCAACAGAT GTCCAAAATG CAATATAGTA	GTACATCAGA	CACAACCTCT	120
TTATAACATA AGGTTGGACC GACAGTTACA AGACATAGTG	TACAAATTAG.	TGATCAATCT	180
AGAGGAAAGA GAAAAAAGC AAATGGCATG GATTTCTATA	AAGGNAAGAG	GTCTAGNNGT	240
ACCTNAAACC TGCTGTTCCA CACNC	. • •		265
(2) INFORMATION FOR SEQ ID NO:1470:		-	-
(i) SEQUENCE CHARACTERISTICS:	• • •		
<ul><li>(A) LENGTH: 172 base pairs</li><li>(B) TYPE: nucleic acid</li></ul>	•.		
<ul><li>(C) STRANDEDNESS: double</li><li>(D) TOPOLOGY: linear</li></ul>			
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1	470:		
AAAGGNTTGA ACCGTGCCTC ANAGGCAGTA NAAGCCCCAT	GGTGGTGGTG	CTGNGTGGNA	60
GTATGGAGCC GGCCTTTGAA AAGAGGTGAA CCTCCTGTTC	ССТАААААТ	TTCCGGGAAA	120
GNCCCAATNA AAGATGGTGA AATAGTTGTT TTTAAAAGTT	GANGGGNCGG	GN	172
(2) INFORMATION FOR SEQ ID NO:1471:			
<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 151 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>			
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1	471:		
NATGTTTAAG ANCACTCGTN AAACTGCNTT CAGGCCATCA	AGGGTATGCA	TATAGAGAAA	60
GCCACGAGTA TTCTGANAGA TGTGCACTTT ACGGAAACAG	TGTGTACCNT	TCCGACGTTA	120
CATGGTGGNG TTGGCNGTGT GCGNGGTCAG G			151
(2) INFORMATION FOR SEQ ID NO:1472:			

(C) STRANDEDNESS: double (D) TOPOLOGY: linear	
	•
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1472:	
GGCANAGGNC AAAANATACT AGAATTNATA GTGGAGAGAA ACCTTACAAG TGTAATGNGT	60
GCAGCAAGNC CTTCCGTCTA AGGTCATACC TTGCAAGCNA TCGCAGNGTT CATAGTGGTG	120
AGAAAACCTT ACAAGNGTAA TGAGTGCAGC AAGGNCCTT	159
(2) INFORMATION FOR SEQ ID NO:1473:	
<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 168 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1473:	
GGCANAGGGG ANGCCAACTT CANTNTATCC TCAATNCATG GAGACATNCC CANAAAGNGC	60
GGGNGTCCAT CATGAAGGAG NTCCGGTTCG GGCGCCACCN GGTGCCTTAT TTCTGACAGA	120
TNNTCTGGGC CAGGGGGTTG GATGNCCCTC AGGTGTCCCT CATCATTA	168
(2) INFORMATION FOR SEQ ID NO:1474:	
<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 374 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1474:	
GGCAGAGACG GNCACGAGAA GACTTAAAGG TAAAGCGTAT TACCCCTCGT AACTTGGCAA	60
CTTGCTATTC GTGGAGATGA AGAATTGGAT TCTCTCATCA AGGGCTACAA TTGCCTGGTG	120
GTGGTGTCAT TCCACACATC CACAAATCTC TGAATTGGGA AAGGAAAGGA	180
ACTGTCTGAA AGGGTGCCTG GNATTCCCTT GTTAATCTCN AGGNACTGTT AAATNACTCT	240
GAGCAGNTGG TCCCAGTGTT GGTGATTCCC AGTGGACTGT GATGNTCTGT GAAAAAAACC	300
ACAATTTTTG CCCTTTTTTG GGTTAATTGC TGTTTTNAGG CCAAGTTTGG GGAAGNTTTA	360
AATTAGNNTT TTCC	374
(2) INFORMATION FOR SEQ ID NO:1475:	

<ul><li>(A) LENGTH: 285 base pairs</li><li>(B) TYPE: nucleic acid</li><li>(C) STRANDEDNESS: double</li><li>(D) TOPOLOGY: linear</li></ul>	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1475:	
TGCCAGTATT TGANCATTAC CATGAAGGAA CTAGCAGTTA TGAACTGACT GGTTTAGCCA	60
GAGGTGGGGA ACAGTTGGCT AAATTAAAGA GGAATTATGC CAAAGCAGTG GAACTNACTG	120
GTGGNAACTN AGCTTCTCTG CCAGACTTCT TTTGTTACTT TGGATGAAGC TATTAAGATG	180
AACCAACAGG CGTGTGAAAT GCCATTGNAN CATGTGCATC ATTCCCCGGG ATTGANCGTA	240
CTCTTGCTTA TATCATCCAC AGTAGCTGGG ATGGAGGAGA GAGNN	285
(2) INFORMATION FOR SEQ ID NO:1476:	
(i) SEQUENCE CHARACTERISTICS:	
(A) LENGTH: 298 base pairs (B) TYPE: nucleic acid	
(C) STRANDEDNESS: double	
(D) TOPOLOGY: linear	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1476:	
GGCAGAGATG GGCACTGGTG CTGGATTTAA NGTTGATGCC ACTAAAGATC CTTGGGAAAA	60
CCAACTACAG AATGTNCTCT TAATGTNACA AAGGAGCTTC CCCAACTNAT AAATGCCCAA	120
TTTNCCAGTG GGATCCCCAA AGGAATGTCT ATTTTTGGCC ACTCCATGGG AGGTCATGGA	180
GCTCTNAATC TGTGCCTTTG AAAAAATCCT GGGAAAATTA CAAATCTGTG TNAGCATTTN	240
NTCCCAATTT GGNAACCCTG GTAATTCTGT CCCTGGGGCA AAAAAGNCTT TGGTGGAT	298
(2) INFORMATION FOR SEQ ID NO:1477:	
<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 393 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1477:	
GGCAGAGNCA CCAGCCTCTN ACGGAGGCAT CTTAATGTNA ACCTACCTAC CATTGCCCTG	60
TGTACACAGA TTCTCCTCTG CGCCTATGTG GACATTGCCA TCCCATGCAA CAACAAGGGA	120
ACCTUACTUA CTCCCTTTCA ATCTCCTGGA TGCTGGCTCG GGAAAGTTCT GCGCATGNTT	180

GGGCACCATT TCCCGTGAAA CACCCATGGG AAGGTCATGC CTGGATCCTG TACTTCTACA

240

	)
CCCAAGGAGG GAATTTTTCA GGGGTGAATG GACTGCTTCC CGTTTCCTGA GTTTCAATGG 360	)
TTAATTTAGG CTTGNGTTNN CANATTTGGT TTN 393	3
(2) INFORMATION FOR SEQ ID NO:1478:	
<ul><li>(i) SEQUENCE CHARACTERISTICS:</li><li>(A) LENGTH: 88 base pairs</li><li>(B) TYPE: nucleic acid</li><li>(C) STRANDEDNESS: double</li></ul>	٠
(D) TOPOLOGY: linear	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1478:	_
GGCANAGCTA TGGGTCGTGG AACAAAAGTT AATCCTACAC CTAAAANANG ACCAAACTAA 6	
GTACTTGGAG GAACGAGNNA TAAAGGTG 8	8
(2) INFORMATION FOR SEQ ID NO:1479:	
<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 72 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1479:	
GGAAGAGTNT CTACTGTGGG CAAGTNTTTA AGANGTCCCC CATGCGGTAA AAGANCTTNG 6	0
GAATCTGGCT GC 7	2
(2) INFORMATION FOR SEQ ID NO:1480:	
<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 249 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	٠
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1480:	
· · · · · · · · · · · · · · · · · · ·	0
CTCCGTGNCA CTTTATGAGC GCATGAATCA GTCTCTCTCC CTGCTCTACA ACGTGCCTNN	-
Creedianea Ciliatanae Gentamien Greteria de Creedianea	n
CAGTGGCCGA GGAGATTCAG GATGAAGTTG AATGAGGTNC TTCAAAAAGA GGCAAAACTG 12	
·	0

## (2) INFORMATION FOR SEQ ID NO:1481:

(i) SEQUENCE CHARACTERISTICS:

(A) LENGTH: 364 base pairs

(B) TYPE: nucleic acid

(C) STRANDEDNESS: double

(D) TOPOLOGY: linear

#### (xi) SEQUENCE DESCRIPTION: SEQ ID NO:1481:

	GGCAGAGGNT	GAATCTCCTA	TAATGATGGA	AGAAGAGGTT	CTCTTGTCTT	AGATAGATNA	60
	GAGCCTTCTC	CAAGAGCAAT	GTCAAAACTT	GGGCTGTCAT	CTTTGAGCTG	TTTACCAAAA	120
	TACAGACCAT	TATTGAAGAA	AAACAAATTA	TCTATTTTGT	TTTCCCCCAT	CTAATATGAT	180
	AGTGCCCCCA	ACCAGGTTGT	AGCATTGCCT	TTTAAAAGAG	ACTCACTCAC	TCTTAGTTTT	240
	TAAGGAACTG	GGAAATTTCC	CATCCTCAGA	TCCCTTAAAG	GATGAAGAGT	TGGCTGTACA	300
	CTTAGCGGAC	TTGCCTCNTG	GTATGCAAGG	GANTACTGGT	TTGAAGGTCN	GTTTTGNNCG	360
•	TGTC						364

### (2) INFORMATION FOR SEQ ID NO:1482:

- (i) SEQUENCE CHARACTERISTICS:
  - (A) LENGTH: 398 base pairs
  - (B) TYPE: nucleic acid
  - (C) STRANDEDNESS: double
  - (D) TOPOLOGY: linear

## (xi) SEQUENCE DESCRIPTION: SEQ ID NO:1482:

GGCANAGGGA	CAGACCAAAG	TATCCTGGAA	TCAAATTTGA	AGAACTCTTT	CCAGATTGGA	60
TATTGGCATC	ANAATCTAAG	CGAGACAAAA	TAAAAACAAG	TCAAGCCAGA	GAATCTGTTA	120
TCAAAAATGT	TAGTGAATTG	NATCCTGNAC	AAGCGGATCT	CTGTAGACGA	ANGCTCTGCG	180
TGCACCCATA	CATCACTGTT	TGGTATGACC	CCGCCGAAGC	AGAAGCCCCA	CCACCTTCAA	240
ATTTATGAAT	GCCCAGTTGG	GAAGAAAGAG	AACATGGCAA	TTGAAGATTG	GGAAAGAGCT	300
AATTTTACAA	NGAAGTCCTG	GGTTTGGGAA	GGAAAGGAAG	CAAGGANTGG	TGTTTGTAAA	360
AGGATCNAGC	CTTCCGATTG	CCAGCAGTNA	GTTGNCAA			398

### (2) INFORMATION FOR SEQ ID NO:1483:

- (i) SEQUENCE CHARACTERISTICS:
  - (A) LENGTH: 259 base pairs
  - (B) TYPE: nucleic acid
  - (C) STRANDEDNESS: double
  - (D) TOPOLOGY: linear

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:14	83:		•
GGCANAGTNA GGAATGGAGA AGCCAGAGAT TATTGATGAG	CTGCTGAATA	TAGAGAAAAA	60
TCCCCAAAAG CCTCAATATA GTATGGCTGT AGAATTTCCT	CTAGTCTTAT	ATGAACTGTG	120
ANTTTGAAAA TGTGCAAGTG GATCTATGAA CCAGGAGGCT	CAGGAGTTCA	ATATTACCCA	180
CCTACAACAA CTGTGGGTCT TAATCATGCT GTNCAAAACT	GCACATGGTT	TGTTATTAGG	240
TATNNGTAAC NTGAGTTNT			259
(2) INFORMATION FOR SEQ ID NO:1484:			
(i) SEQUENCE CHARACTERISTICS:  (A) LENGTH: 52 base pairs  (B) TYPE: nucleic acid  (C) STRANDEDNESS: double  (D) TOPOLOGY: linear  (xi) SEQUENCE DESCRIPTION: SEQ ID NO:14  GGCAGAGGAG TTTTTTTTTT TTTTTTTTT TTTTTTNNAT  (2) INFORMATION FOR SEQ ID NO:1485:  (i) SEQUENCE CHARACTERISTICS:		ТТ	52
<ul> <li>(A) LENGTH: 392 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul> (xi) SEQUENCE DESCRIPTION: SEQ ID NO:14	185:		
ATCCTAACTC CAACCCACCA TGTNACAAGA CAATGGATGA	GGATATTGTG	AATTCAGCAG	60
GACGATGAGA TCCGCTTAAA GATTGTGGGG ACCCGTGTGG	ACAAGAATGA	NNATTTTTGC	120
TAATTGGCTC CCTGAATGGA CGATTACTTG GGGCTTGTAA	GCTGAGCCTG	GTGGCCTCCT	180
ACCNTTGGTC CTACTCTAGG AAGTGTGATT GTAACNCTTA	TCATGTTGTC	CAGAGGTCCA	240
GTTTGGCTGC TGTTGTGGAG GCAAGGNAGG CAACTCATNC	CAGAAGGCAT	CTGGGTGCTT	300
CTTGTAGCTT AAACTAATTG CCTCCTCATN TTTCAAGTAT	GTGGTTCTTA	AGTATTAAAA	360
AGTNCCTNGG TTTCTCCAAA AAAAAANAAA AN			392
(2) INFORMATION FOR SEQ ID NO:1486:  (i) SEQUENCE CHARACTERISTICS:  (A) LENGTH: 452 base pairs  (B) TYPE: nucleic acid			

(C) STRANDEDNESS: double
(D) TOPOLOGY: linear

(2) INFORMATION FOR SEQ ID NO:1488:

(i) SEQUENCE CHARACTERISTICS:

(A) LENGTH: 222 base pairs(B) TYPE: nucleic acid(C) STRANDEDNESS: double(D) TOPOLOGY: linear

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1486: GGCANAGGGA GACCCAGGTT GCTAGGACTC TNTTCTTGGC TTGATGAAGC AAGAGGCCAT 60 GTCAGGGATC CATGAGGCCA GGAAGGAGGG CAGCCCACAG GAACTTCTGC AATAACCTAG 120 GTGAGCTTGG NAAGCAGCTC CTTCCCCAGC CTCACGTTCA GATGAGCTCT CCTCCCTGAG 180 TGATACCTCG ATCAGATCAC AATTCTCAGC AGACTCAGCA AAGCCATGTC CAGCCTCCTG 240 300 GCCCACAGAA ACCACAAGAT AATAACTGTA TGTTGTTTAG GACCTTAAAG CTCNTAGTCA TCCATTCCAC AGCAATAGAT ANTACTGGAT AAAAGGAGGT TAGGAAAGAA ATTTNTTTAG 360 GTTAGGTTAG AGTGAAAGAG TCCCTCAGCC AGAGTTTCCC TTTTTAACAC AAAGCAGNCC 420 452 CNGGNAAAAC ATTTCTNGTT TTAACAAGGG GC (2) INFORMATION FOR SEQ ID NO:1487: (i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 502 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: double (D) TOPOLOGY: linear (xi) SEQUENCE DESCRIPTION: SEQ ID NO:1487: 60 GGCACGAGAG ATCAATGACT TTTGCCGTTC TCAGTGCCCT CCAATTAAGT TTATCAGTGC AGATGTACAT GGAATTTGGT CAAGGTTATT TTGTGATTTC GGTGATGAAT TTGAAGTTTT 120 180 TGGCATTGTT ACTTGCNTTG AAAATCATCC TCACAAACTG GAGACAGGAC AATTCCTAAC 240 ATTTCGAGAA TTAATGGGAT GACAGGTTTA AATGGATCTT TGACAACAAT TAACGGTGAT 300 360 NTCGCCATTT TNCTTTTAGT ATTGGTGGAC ACCACAGAAN TGGNAACCTN TTTGACNGGN 420 GGCCTAGGNG TGCCAGTTNA GGANTCCTAA AACANTTTTT TTGGATTCAN GGNGGGGNCG 480 TTTAAAACNT CCAAGTGCCC TNTTGTGGGT TTTNGNCAAC NGGGCGGGCA CCTTGGGGGT 502 TTCACACAGT TTGTTTGNCC TG

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1488:	•
GGCANAGGAA AGATGGTGTT ACTGCAAGNA TGTCACTCGT GAGGTGNAAT TCGTGAACTG	60
ATACCAGTTC TGTCATTGAT GCACAATGTT CAATCCTTGT GGGTATTCGA TGAATGGATG	120
AAATCGGATG GAACTTATTG GACTATTCAA CATCACTNCA GACCAGANTT TCTTATGTTA	180
GNTTGGACAA CTTAGTCAGC CTCTATGATG NCNGTCAGAA GT	222
(2) INFORMATION FOR SEQ ID NO:1489:	
<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 313 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1489:	
GGCACGAGGT NTCCCTGTTG CCCTTGGTCT CGGGGNCGCT GTCGGCGCTG AGGCTGCAGC	60
TATCATGGTG AACTTACTTC ANATTNTGCG GGACCACTGG GTTCANGTTC TTGTCCCTAT	120
GGGNTTTGTC ATTGGATGTT ATTTAGACAG AAAGAGTGTA TGAACGGGCT AACTGCCTTC	180
CGGAACAAGT AGTATGTTCA TNTAAAAGGG AATTGCAACC CAGTGAAGAA GTTGATCTGG	240
TAAGTTAAAG ACTAGCTNAG NATTATCGAA TGTTCACATT TNNAAAGTTC TGTGGAGAAN	300
GAAAAACATG AAG	3,13
(2) INFORMATION FOR SEQ ID NO:1490:	
<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 149 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1490:	
GTTGTANGNA ANGTAAATCA AAAANTTGGA AGCTGTACAC AGCAAGACGT TAAGTTACAT	60
GTTCCAAAAG ATTTATGTNA TCAGTTTGGC TGACCCCCGT CTCCCCCTGC GNCTGGNTGA	120
TGCTGTNCGG CCTGAGGCAG AGGGAGANG	149
(2) INFORMATION FOR SEQ ID NO:1491:	
<ul><li>(i) SEQUENCE CHARACTERISTICS:</li><li>(A) LENGTH: 332 base pairs</li><li>(B) TYPE: nucleic acid</li></ul>	

(C) STRANDEDNESS: double (D) TOPOLOGY: linear	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1491:	
AGTAACATGA TAGANAGTTG GTCGATTACA TTGCNATACT GCTTAGTTTN AACTGGTTTA	60
TTTTAATTGT AGCAGAAATG ANCNGAAAAA AAATATGGGT TTAANANTCA CACACATGAA	120
AGTNCCATTT TGTAACTCAN CNAAAGNTAA ANCATTCTTN ATCAAAAGGC TTCTNGCTTG	180
GTGTCAGGTT GTCACATGTG ACCNCTGTGN CAATGCGAAG CATNACTTCT TCAGTGCCAC	240
AANGTCATGT TTAACCTTGG GAAAGGNGGN TGCTACAGTG GTTTCCAAAG TTCCGTGTTG	300
TGGGCCNNGG AATTTTCCCT TAGTCTTGCT TG	332
(2) INFORMATION FOR SEQ ID NO:1492:	
(i) SEQUENCE CHARACTERISTICS:	
(A) LENGTH: 298 base pairs (B) TYPE: nucleic acid	
(C) STRANDEDNESS: double	
(D) TOPOLOGY: linear	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1492:	
	60
AACAGTGCCT CCNAATNAAA TCTAACGANA GCTTCCCAAA TCGTTTAAAC GTGGATATCG	60
GCANANGGTT TTCCTAGACT GTGGAGCCAT GGCTGAGCCA AANCCTGAAA ATTNACTGGG	120
TCACTCCCAT TGGGAAATAA GNTAACTNTG GAAACCCTTT NAAATAATTN CAAGCTAAGT	180
NGCGAGGGTA CCTTGGGAAA TATCTAAGCA TACAATTTGA NGACTCAGGA AGGTACACAT	240
GTNTTGCCCA GANTGTCCAG GGGCAGNCAT CGGGGTGGCC ACCATTNAGG TTTACGGG	298
(2) INFORMATION FOR SEQ ID NO:1493:	
<ul><li>(i) SEQUENCE CHARACTERISTICS:</li><li>(A) LENGTH: 130 base pairs</li><li>(B) TYPE: nucleic acid</li><li>(C) STRANDEDNESS: double</li><li>(D) TOPOLOGY: linear</li></ul>	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1493:	
TNATTATCCA AATGTNAACC ATGCCAAGGT GAAATTCCAA GGNAAAGGAA GTTGGTGTTT	60
ATAANGCTCT GAAGATGACA GCTGGCTCAA GGGANGATTT TTTNACGACT GACCAGCGCG	
TGGCGCTCNT	130

(2) INFORMATION FOR SEQ ID NO:1494:

(A) LENGTH: 236 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: double (D) TOPOLOGY: linear	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1494:	•
CTTCAAAAAA TAACTGATTT NCAGAACCAA CTCAAGCAAC AGGAGGAAGA CTTTAGAAAA	60
CAGCTGGTAA GATGAAGAAG GAAGAAAAGC TGAAAAAGAA AATACAACAG CAGAATTAAC	120
TGNNAGAAAT TTAACAAGTG GCGTCTCCTC TATGAAAGAN CTATATAATA AANCAAAACC	180
TTTTCAGCTA CAACTAGATG CTTTTGNAAG TAGNAAANCA GGGCATTGTT GGAATG	236
(2) INFORMATION FOR SEQ ID NO:1495:	
(i) SEQUENCE CHARACTERISTICS:	
(A) LENGTH: 442 base pairs (B) TYPE: nucleic acid	
(C) STRANDEDNESS: double (D) TOPOLOGY: linear	,
	•
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1495:	
GGCANAGCGG CACGAGGTTG GACCGACAGT TACAAGACAT AGTGTACAAA TTAGTGATCA	60
ATCTAGAGGA AAGAGAAAAA AAGCAAATGC ATGATTTCTA TAAAGAAAGA GGTCTAGAAG	120
TACCTAAACC TGCTGTTCCA CAGNCAGTGC CCTTCAAGCA AAGGNAAGAT CTAAAAAAGT	180
CCTAGAAATC AGTGTTTCGT ATTCCACCTG AACTTGGATA TGTCTTTATT ACTGGGAGTT	240
CCATTGGTGC TAAATGAAAG GCACGGGNAC ATTTTAAAGC CATTGGGAAA AGAAAGTTTG	300
TTCCGAGTTT TCAGGAGGAA GCAACTATTG GGACCATGTT GGAAAATTTC CTCAGANGAA	360
AATGGGGTCT TGATCCCNCT TGTNCCAGTA GGTTTAATCC GTGGTGATCA CTGTTGGGGC	420
CGTNTCAACT CTTAGGGNAT TC	442
(2) INFORMATION FOR SEQ ID NO:1496:	
<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 354 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1496:

ANCTTGCTGA GACTATAAAA TGTCGTACAT TAT	TTTNCAAC TCACTACCAT TCATTAGTAG 120
AAGATTATTC TCAAAATGTT GNTGTGCGCC TAG	GGAACATA TGGCATGCAT GGTAGAAAAT 180
GAAATGTGAA AGACCCCAGC CAGGAGACTA TT	ACGTTCCT CTATGAAATT CATTAAGGGA 240
GCTTGTCCTA AAAGCTATGG CTTTAATGCA GC	AAGGCTTG CTAATCTCCC AGAGGAAGTT 300
ATTCCAAAAG GGNCATAGAA AGCAAGGNAT TT	GNGGNAGT TGANTCCGTC CCTC 354
(2) INFORMATION FOR SEQ ID NO:1497:	

- (A) LENGTH: 349 base pairs
- (B) TYPE: nucleic acid
- (C) STRANDEDNESS: double
  - (D) TOPOLOGY: linear

## (xi) SEQUENCE DESCRIPTION: SEQ ID NO:1497:

TNATGTNCTT TCTGCATGGT TA	TATACTAC TAGTNNTTTT	ATCAAAACTN	СТААААТТТА	60
AATTACGTGG TAAAAGATCT GT	AAAAGGCT GCATAAATGT	TAAGTTGGCA	CATAAAGACA	120
ATTGTAGAAG TTGAAAAAAT GA	ATTGCAATA TTTCAATGNT	TATNCCCACT	CAACATACTG	180
NCTTCTAAAG CTTCCCTTTT TT	TTGTTCCAA AGGCATGNTC	CTTGAAAGGT	NATGTTTAAG	240
TTAATGGNTG TAATGCCAGG GT	TTCCCTACA CTGTGATTIN	GGGCGCATGT	GCNGTGGGCC	300
CTCTGTGCCC CTAGANTATA TG	GCCACACAG GGGGNCAAGT	TNAAAAGCT		349

## (2) INFORMATION FOR SEQ ID NO:1498:

- (i) SEQUENCE CHARACTERISTICS:
  - (A) LENGTH: 487 base pairs
  - (B) TYPE: nucleic acid
  - (C) STRANDEDNESS: double
  - (D) TOPOLOGY: linear

## (xi) SEQUENCE DESCRIPTION: SEQ ID NO:1498:

GGCACGAGCT GTC	TGGAATT TAGCCAAGT	N AACAATCCCC	TCATATCCAG	GCTTTATNAT	60
CTATATAGCT TCC	AGGTCAT CCCTGNCCT	G GGAGAGGTCA	TCGCTGGAGA	CTGNAAGTCC	120
TATCAGTACC TTG	TAGAGAG TATCCGAAG	G TTTCCGTCTC	AGGAAGNAGT	TCAAGGACAT	180
GATAGAAGAT GCA	GGCTTTC ACAAGGTGA	C TTACGAAAGT	NTAACATCAG	GCATTGTGGC	240
CATTCATTCT GGC	TTCAAAC TTTAATTCC	т ттсстатсат	GGAGCATGAN	CCAGTCATAT	. 300
CCTGTTTGAA AGC	CTGGAAC TTNAAGGNI	A ATCTGGGCAA	TGAAGACAGC	AGCAGAGCAT	360
CTCCCTCTTT AAG	GATACGT GGCCTTGGN	A CTCATGTTTG	AATCGGACAG	TCTCAAAGTG	420

GGGAGGACAA TTCTTGTCAC TTTTTTACAG GTTTTCTTTT GGGGTTGTTT CAGTCCCATT	480
TCCCAAG	487
(2) INFORMATION FOR SEQ ID NO:1499:	
<ul><li>(i) SEQUENCE CHARACTERISTICS:</li><li>(A) LENGTH: 276 base pairs</li><li>(B) TYPE: nucleic acid</li><li>(C) STRANDEDNESS: double</li><li>(D) TOPOLOGY: linear</li></ul>	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1499:	
TCNNCAANNT NGAACGATGC AGGGTCCAGC TGGGCGGATC TGATCAACTA GGCAACATCA	60
TGTTCCGGAT ATGAGTTCAT CAACAAGTTG ACTGGAGAAG ATGTATTTGN GAATCACCGT	120
TCCTCTAATT ACAAGTACAA CTGGNGCAAA GNTGGGGAAA GTCTGCTGGC AACGCTGTTT	180
GGCTAAACAG AGATAAGACA TCTCCATTTG AATTGTATCA ATTCTTTGTC ANGCAACCGG	240
ACGTTTCANT GGNAAGGTAC CTGANGNTGT TCATTT	276
(2) INFORMATION FOR SEQ ID NO:1500:	
<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 72 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1500:	
GGNGGCGTTC AGCTGCTTCA AGATGANGGT GAACATNTCT TTCCCAGCCA CTGGTTGCCA	60
GAAACTCNTT GA	72
(2) INFORMATION FOR SEQ ID NO:1501:	
(i) SEQUENCE CHARACTERISTICS:  (A) LENGTH: 291 base pairs  (B) TYPE: nucleic acid  (C) STRANDEDNESS: double  (D) TOPOLOGY: linear	
070 TD NO 1501	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1501:	60
AAAATNTCCC AACTNATGAT ATCCACATGA NGCAAGTTGA TCTGGAGANT GTATGGCTTC	120
ATTTTATCCG GGAGTTCATT GCACCANTTA CACTGAAGGT NTTTGCAGGC TATTATACGA	180
NGGGNTTTGC ACTACTGAAT TTTGTAGTAA AATACTCCCC TNANCGACAG CNTTCTCTTN	TAO

GTCCTCATCA TGATGCTTCT ACATTTTACC ATAAACATTG GCACTTAATA ACGTGGGGAN	240
AAGACTTTCC AGGGGAGNTG GTTGCAAATT TNNAAGGGNT CCAATTTGCC C	291
(2) INFORMATION FOR SEQ ID NO:1502:	
<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 477 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1502:	
TGGAAATACT TGGTTATTGC ATGATCCAAT GGCTTACTGG CCATCTTCCT TGGGAGGATA	60
ATTTGAAAGA TCCTAAATAT GTTAGAGATT CCAAAATTAG ATACAGAGAA AATATTGCAA	120
GTTTGATGGA CAAATGTTTT CCTGAGAAAA ACAAACCAGG TGAAATTGCC AAATACATGG	180
AAACAGTGAA ATTACTAGAC TACACTGAAA AACCTCTTTA TGAAAATTTA CGTGACATTC	240
TTTTGCAAGG ACTAAAAGCT ATAGGAAGTA AGGATGATGG CCANTTGGAC CTCAGTGTTG	300
TGGAGAATGG AGGTTTGAAA GCAAAAACAT TANCAAGGAN GCGNAAGTAA GNATTGNTGA	360
AAGCAAGGAN CNCGTGTTTG AAGTTACGGN TTGTCCAACN CACCGTCCGN GGTGGGCCTT	420
CCGACCCNTT TCAGGACCCG AAGGGGTCCC GAGTATTCGG TGCTGTGACC CGTTTCC	477
(2) INFORMATION FOR SEQ ID NO:1503:	
<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 250 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1503:	
GGCACGAGCA AAGGCGAGGA GTCCAACAGC TCAGCCANCA AGTGTCTGCT GAAGGTGGCT	60
GGTTACGCTG NGCTNCTNGA GCAGTATCAG AAGGCCATTG ACATNTACGA NCAGGTGGGG	120
NCCANTGCCA TGGNACAGCC CCCTTCCTCA AGTACAGCGC CAAAGACTAC TTTCTTTCAA	180
GGCGGCCCTC TGCCACTTCT GGCATCGNCA TGGCTCAGCG TGCAAGNTGG CTGGTCCAAA	240
AGNATNNAGG	250
(2) INFORMATION FOR SEQ ID NO:1504:	
<ul><li>(i) SEQUENCE CHARACTERISTICS:</li><li>(A) LENGTH: 248 base pairs</li><li>(B) TYPE: nucleic acid</li></ul>	

(C) STRANDEDNESS: double (D) TOPOLOGY: linear	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1504:	
GGCACAGAGA AGATTCCTTC ATGAGTGTAG AAGTTGGACT GATTTCTAAA GTNCCTTTCT	60
ATTTTAAGAN TCTNTTCTGC ACAGTTATGA GCTACACATA ATGCACTGAA TCTGTTCCCT	120
TGNATAGTTT CTGCATAGGC TTTGGTTGTG CCACAAGTGT GCCTGGCAGT GAAATGAACC	180
TGGTCTAAAC TCTGGCATTG GTCCTAGGGN CTGNAACTGT TNCAGGAATN TGNGCTAATC	240
CTNGNGGG	248
(2) INFORMATION FOR SEQ ID NO:1505:	
(i) SEQUENCE CHARACTERISTICS:	
(A) LENGTH: 373 base pairs (B) TYPE: nucleic acid	
(C) STRANDEDNESS: double	
(D) TOPOLOGY: linear	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1505:	
ANACAGCCAC ACCCGTNACG GTGCATTAGG GACAATGGCA GTCGGTGAGG GCGGCGGTGA	60
GTTGGTAAAA CAGCTGCTTA ATGACACCTG GGATATCGAC TATCCGGGCG TGGTTGCGGT	120
GCATCTAACC GGAAAACCTG CGCCGTATGT GGGGCCACAG GATGTNGCGC TGGCTATCAT	180
TGGCGCGGTG TTCAAAAACG GTTACGTCAA AAACAAAGTC ATGGAGTTCG TTGGACCGGG	240
CGTTAGGGCG CTTCTCTTAC CGATTTCCGT AACAGCNTTG ACGTGATGAC CACTTGAAAC	300
GGACCTGTTT AAGTTCTGTT TGGCAAACCG TTGAAGNAGT NCCATAACTG GTTGGGGGTT	360
TNAACGTTNG GGG	373
(2) INFORMATION FOR SEQ ID NO:1506:	
<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 395 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1506:	
GGCANAGTCC AGAAGCTACG CTTTGGAAAT CTATGACATA GACAACAAGA CGCCAGACCT	60
GAGGGATGAT GACTTCCTAG GGGGTGCTGA GTGTTCCCTA GGACAGATTG TTTCCAGCCA	120
GGTACTGACT CTCCCCTTGA ATGCTGAAGC CTGGGAAAAC CTGCTGGGCG GGGGACCATC	180

ACGGTCTCAG CTCAGGGAAT TAAAGGACAA TCGTGTAGTA ACCATGGAGG TAGAGGCCAG	240
AAACCTAGAT AAGAAAGGAC TTCCTGGGNA AAATCAGATC CATTTTNTGG AGTTCTTTCC	300
GCCATGGTGA TGGGGNAATG GGCACNGGGT GTTACAGTTC TAAGGGTNCA NTCAAGGACC	360
AACCTGGAAC CCTTACATGG GAAGTTTTTT TTNAA	395
(2) INFORMATION FOR SEQ ID NO:1507:	
(i) SEQUENCE CHARACTERISTICS:  (A) LENGTH: 182 base pairs  (B) TYPE: nucleic acid  (C) STRANDEDNESS: double  (D) TOPOLOGY: linear	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1507:	. 60
CAAACAGCCC AACAATTTCA CCACTGCGAA CCGCCAGACT TATTGGCGTA CGCACGTCTG	120
TGTGCTTTCA CAGCATCAAG ACGTAGGGCN TGCCTCGCCA TGAACTACGC GGTTGCCAGC	180
CGTAGTATNA TCGTCCAATG ATCGTCGACC CGTACCNATN CGNCTCTTGG TGTGGGGTGT	182
GT	102
(2) INFORMATION FOR SEQ ID NO:1508:	
<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 484 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1508:	
GGCAGAGTNT TGGGGCATTG CCGGCGGGCC CACCCGGACT CACGCAGCCC ACTCTGTGTC	60
CCCCGGCAGT ACCCTGGCTA AAGCCGGGNC CGGAGCCTNC TGCCCCTCTC ATGCCCGCAG	120
CCAGCCTGGG CTGTGCAACA TGTTACAAGG ACTCACACCA CCCGGNCAAG AACTGCTCAC	180
TACGGCTCCC TGCCCCAGAA GTTCACACGG NCCGGACCCA AGATGAAAAC CCCGTAGTCC	240
CACTTTCTTT CAAGAACATT GTGAACGCCT NGCACACCAC CCCCGTTCGC AGGGGAAAGG	300
GNGAGAGGGA CTGTTCCNTG AGCAGATTTT AGCTNNGGGG GCCGAGCAGA GNAACCCAGG	360
NTTTTGGGTT ACGGAGGCAG AGCGTTCCGA TTTTAAATCG GTTCACAAGG GGTTTCAAGG	420
GATTCGTTGC CCAGGGAAGT TTTCCAAATT TTTTAAGTTG GGAGNAGAGN TAGTTGGTTT	480
TGGT	484
(2) INFORMATION FOR SEQ ID NO:1509:	

<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 172 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
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(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1509:	
GGCANAGNCT GCATCCTACA GAGCCATGGA TGGNGGCAAG TGTTTGCAAT GGGAAGTGTG	60
TGTGTTTGGA NTCATGAAAC ACAGACACTG GTGGAAGACA TTTGAAGTGT GTGATCTTCC	120
TGTTTCGTAG CTNCAAAGTT TGGTTGNCAA AGGGAAGNAT TNTTTNGTGT TG	172
(2) INFORMATION FOR SEQ ID NO:1510:	
<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 352 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
	•
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1510:	
GGCANAGGCA TCAATGTTAT AGCGTGTGTC AGTCCTTCAT GACTTTCTGT GGATGAATAA	60
TATTCCATTG CATGGATATA CAGCAGTTCG TTTANCCATT CAGCAATTGA TGGATATTTG	120
GGCCTGTTTT CACATTTTGG CTATTATGAA ATCCANTTTT TTAAAGAGAA GATAGNAAAC	180
CTGGATTTTT GAAATCTAGT GTTTAAATGT TGGCTGTGNA ATTTTAAAAA TTNAAGAATA	240
TGGTTTGAGC TAATTAAAAA GCTATCTGGG GATGGGCACA GGNNGCTTGG TTGACTGCCC	300
ATTGGTCCAT CTCTTTGCCA CTTGGGGNCA GCCTGGGGAC CCTTTNTNGG TT	352
(2) INFORMATION FOR SEQ ID NO:1511:	
<ul> <li>(i) SEQUENCE CHARACTERISTICS: <ul> <li>(A) LENGTH: 436 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul> </li> </ul>	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1511:	
GGCANAGNCA AGACTGGTCA CCCTCGGTTC TTCAACCAGC TCTTNTCTGG GTTGGATCCC	60
CATGCTCTGG NCGGGNGCAT TATCACTGAG AAGCCTCAAC ACCAGCCAGT ACACATATGN	120
AAATCGCCCC CGTGTTTGTG CTCATGGAAG AGGAGGTGCT GAGGAAACTG CGGGCCCTGG	180

TGGGCTGGNA GCTCTNGGGA CGGAATCTTC TGCCCTGGTG GCTCCATCTC CAACATGTAT

240

GCTGTNAAAT CTGGCCCGCT ATCAGGCTTA CCNGGGATTG CAAGCAGAGG GGNCTCCGNA	300
CAATGCCGCC CCTGGCCCTT ATTTCACATC GAAGGAGGTT GGGAAGAGGC ACAGGNCCAA	360
CCCTGGGTTC NTGATTTTAA TTTCCAGCCN GTTAAGTAGA GACCTTCCAG TTTTGTTCCT	420
GGCCTTNNTA ACATTC	436
(2) INFORMATION FOR SEQ ID NO:1512:	
<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 158 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1512:	
GGCANATNGG GACTTCCCGT GCNCTCTGGC TGAGGGGTGT TGCTGCCTTT GGTAGCTGGC	60
CCTGGTGTTT CAAGTACCAC CCTTAGGGTG GAAGTGGTAG CNTTTTTAAA GANTGTNNCC	120
CAAAACTACA GTTNCTGTGC ACTCACTTAC ACAGTATT	158
(2) INFORMATION FOR SEQ ID NO:1513:	
<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 308 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1513:	
GGCAGCAGCT TCACTAAGGT GGGATGGATA GCAGGGTCTN AGGCACAACC AGTAATGGAG	60
AGACAAANCC AGTGTATCCA GTCATGGAAA AGAAGGAGGA AGATGGCACC CTGGAAGCGG	120
GGGCACTGGT ANCANCAAGN TGGAGTTTNT CCTGTNAGTG GCTGGGGAGA TCATTGGCTT	180
AGGCAACGTC TGGNGGTTTC CCNATCTTTG CTAACAAAAN TGGGGGAGGT GAGTTGAGAG	240
CCCTTTTGCC CACCCNACCC ACTCCTGGAA GGGGNTTACT TCCATCTCCC TGCATTTACG	300
NNCCCTTT	308
(2) INFORMATION FOR SEQ ID NO:1514:	
<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 372 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1514:	
GGNAGAGGGG ACACAAAGGT CGGNAGGCAG CACACAGAGG GACCTACGGG CCAGCTGTNC	60
CTTCCCCCAA NTCAAGAATC CCCGGAAGNC CCGGNGGCTG NCAGCAGGAG AGANCCATGA	120
AAGTAAGCTG AATGGTGGTG CCTGNGTCTG AATTGCCTGC AGCCTGGGCC AGAGGAGCAG	180
AATGAANTTG GTGCATGGCG GACCCTGNGA NCAAGACATC TTNACCCCTN ACCAAGCTGC	240
CCTCTNACAC CTGGGGCCAC TTGCTCTGTG GTGGGGTCCT TATTCCATCC ACTGTGGGTC	300
CTNANAGNTG CCCACTGCAA AAAACCGTTT TTCCAGGTCT TCCTGGGGGA GGGNTTAACC	360
TTGGNGCAAA GG	372
(2) INFORMATION FOR SEQ ID NO:1515:	
<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 135 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1515:	
TGCTGAAATT AAAGAAATNT NGCAATGATT TTAAAAACGG AGNTGTGACA GTAAGGAGGC	. 60
CTGACCCCAT TAACTGGTCA TTGAAGTATA AAACTCCTGN ATTTTANGNC TNCGGGTTTT	120
ATGACAGTGG CAATG	135
(2) INFORMATION FOR SEQ ID NO:1516:	
<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 159 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1516:	
AATTCGGCAN AGGNNAGCCA TGNCTGGCGA TGGTGGCAGC GGCTGTNACC TTGGAGGTTG	60
CTGCAGGCCC GTGGCTTTCC ACAAAATTTT GCACCCAGCC TGGGCCTANG AGCGAGGACT	120
TGTTCCCAGG GCGACTGCTC GTNATTCNCG CANGNCTGT	159
(2) INFORMATION FOR SEQ ID NO:1517:	
(i) SEQUENCE CHARACTERISTICS:  (A) LENGTH: 63 base pairs  (B) TYPE: nucleic acid  (C) STRANDEDNESS: double  (D) TOPOLOGY: linear	

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1517:	
AGCCCCGCAT CTTCCACCCT CGNCGCCGCC GNAGCTCCCC GCGCTCGTGC CACCGNCGCC	60
GGT	63
(2) INFORMATION FOR SEQ ID NO:1518:	
<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 344 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1518:	
TATTATGGAA AACTGTTGCG GGGCATATGG AAAACTGTTG CGGGGCATGT GGTAGAGACC	60
ACCCAGATGA GGCCCTCCAA GACCTTGTTG TCTAGGGTGA TTTATTCCCT TTATTTAGAG	120
ACCCAGGCAA TTGAATTCAT TTCTTTTTGT GNATGATAGG CTTTTGGCTG TTAGACCAGA	180
CCAGACGCTG TGTTACTCTA TGAGATGAAT AATAGTGGAG AACTATATAA CTTAACTATT	240
TTGACTTTTT ACCTTGGCTT CCAGGAAGCA TAGAGTGCAA TCTCGNTTAC TGCAATTTNC	300
AATGAATTGA CACATAGCCT AGGTTTTTGG TACAACCACC TTTG	344
(2) INFORMATION FOR SEQ ID NO:1519:	
<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 292 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1519:	
GGCACGAGCA TGTTTCCTGT TTTGTGTGTG TAGTCTGTGG AATGNCCATT CGGATGAATG	60
TTTTTCACTT GGAGGATGGT GAACCCTACT GTGAGACTGA TTATTATGCC CTCTTTGGTA	120
CTATATGCCA TGGNTGTGNA ATTTCCCATA GAAGCTGGTG ACATGTTCCT GGAAGCTCTG	180
GGCTACACCT GGGCATGTGA CTTGCTTTGT ATGCTCCAGT GTGTTGTGAA AGTTTGGNAA	240
GGTCAGACCT TTTTCTCCAA GAAGGACAAG CCCCTGTGTT ANGAAACATG CT	292
(2) INFORMATION FOR SEQ ID NO:1520:	
<ul><li>(i) SEQUENCE CHARACTERISTICS:</li><li>(A) LENGTH: 188 base pairs</li><li>(B) TYPE: nucleic acid</li></ul>	

(C) STRANDEDNESS: double

(2) INFORMATION FOR SEQ ID NO:1523:

(D) TOPOLOGY: linear (xi) SEQUENCE DESCRIPTION: SEQ ID NO:1520: GGCACGAGGG NGCACCCNGG TAGGGGGNCG GCTGAGCCGG CAGTGCGGTA CCCTCGCGGG 60 GAACTGCGCC GCCGACACCA TGTCTCAGGA AGGTGTGGAG CTGGAGAAGA GCGTCCGGCG 120 CCTCCGGGAG AAGTTTCATG GGAAGGTATC CTCCAAGAAG GCGGGGGCTC TGATGNGGAA 180 188 ATTCNGCT (2) INFORMATION FOR SEQ ID NO:1521: (i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 359 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: double (D) TOPOLOGY: linear (xi) SEQUENCE DESCRIPTION: SEQ ID NO:1521: GGCAGAGCTC ATGATGACGT TTGCTTTTCC TCCCGACTCA AAATTTACCT TTTGGGGTCT 60 TACCCTGGTT GTAGGNGCTG GNTTTTCCTG GGGATTAAGG CCTAANTCTT CCTACNCNTC 120 GCACTGCCTT GCACTGCCCC CCATATGTTC CCAGGGTAGC TCTCCAGCTG GANCCTTGCT 180 GATGCCATGT CCCAGAACA CCTCCAGATC AACCAGACGT TTGAGGAGCT GCGAACTGGT 240 CACGCAGACA CAGAGNAATG AGTTTAAAAA AGCTGCAGCA GACTTCAGGA GTTACTTTCA 300 TGCATCCAGT TACCAGGNAG AGCCTNGAGG GATTCCAAGC TCAGTTTTGG GCCCGTTGG 359 (2) INFORMATION FOR SEQ ID NO:1522: (i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 198 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: double (D) TOPOLOGY: linear (xi) SEQUENCE DESCRIPTION: SEQ ID NO:1522: GGNANAGGCA ACCCCTTGTN TCGTGTGGAT GGGGCGCTNG CCGGCGCTGT GAACCTNAAC 60 CTGCAGNCCG ACTGCAAGNN TGCCCTGGAA GTCCTGGCAC GACATCCGCC GAGACAACTG 120 CTCTGGCCAG AAGCCTCTGC TTCTGCTGGG AGCACANCCA GCTCCNAGCA CAACCTGTNT 180 198 GNCCTTCCTN GAGGTTCA

(i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 483 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: double (D) TOPOLOGY: linear (xi) SEQUENCE DESCRIPTION: SEQ ID NO:1523: 60 TTGCCATCGC GAATGGGGCC CAGTGGCCTA ACGCCCCGGC GGCGCTTNGG TAAAACCGAC ACCACGGCAC TCTGTCGGCC AGGTTGCAGG TTCCCATTTT TCCGTGGAAG CAGTGGCGAG 120 AATTGCCGTT TTTNAGGTTG GTCATCAGCT TGTCGAAGAA ATACACACCA GAGAAAAAGC 180 GTAAATTCTG TTCCGACCGT GCAGTTNACC GTAGAGCGAA AATTTTTGCG CCATATAAGC 240 CGAGAATGCT GGCGCGCTTT ACCGGNAACT TNTCTTTCCA GATCCATCCC CAGCACCAGC 300 GCCTGGTCCG GAAAGTTCGG CACCAGCAAA CCGTACATNC ANTTTAAAGG TGGTCGATTT 360 TNACCCGGGC CTTTTGGGCC CCAGNAAACC AAAAATTTTC CCCAAGTTTN AAGGGCAAAT 420 TTGACGTGAT CCGTTGGGNG GCAAAATNCC CCAATTTTTT TGGTCAATTT TTNGGTTTGG 480 483 GTT (2) INFORMATION FOR SEQ ID NO:1524: (i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 399 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: double (D) TOPOLOGY: linear (xi) SEQUENCE DESCRIPTION: SEQ ID NO:1524: AAAACAATCC CTTCTATCAA TTATATCGGC TATCTTGAAG CCAATGAGTT GTTAACTGGC 60 AAGACAGATG TGCTGGTTTG TNACGGCTTT ACAGGAAATN TCACATTAAA GACGATGGAA 120 GGTGTTGTCA GGTATGTTCC TTTCTCTGCC TGAAATCTCA GNGTGAAGGG AAAAAACGGT 180 CGTGGTGGCT ACTGTTATTA AAGCGTTGGC TACAAAAGAG CCTGACGAGG CGATTNCAGT 240 CACCTCAACC CCGACCAGTT ATAACGGCGC CTGTNTGTTT AGGGTTNCGC GGCACGGTGA 300 TTAAAAAGTT CATGGGTGTC AGCCAATTCA GCGAGNTTTT TGCGGTTCGC GATTNGAACA 360

399

## (2) INFORMATION FOR SEQ ID NO:1525:

- (i) SEQUENCE CHARACTERISTICS:
  - (A) LENGTH: 200 base pairs
  - (B) TYPE: nucleic acid

GGCATGNCAG GCGGTGCAGC GACCAAGTTN CNTCAGCGG

(C) STRANDEDNESS: double (D) TOPOLOGY: linear	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1525:	
(xi) SEQUENCE DESCRIPTION OF STORY NOTICE NCCCGGCCCA GGTGNCAGCT	60
(xi) SEQUENCE DESCRIPTED  CACCNCCTAA AAAACTCGCT GGATCTNNAT CTGGAAATGT NCCCGGCCCA GGTGNCAGCT  CACCNCCTAA AAAACTCGCT GGATCTNNAT CTGGAAATGT NCCCGGCCANA GAAAGGTGCT	120
CACCNCCTAA AAAACTCGCT GGTTOOTTCC ACCTGGGAAA TCTGGCCANA GAAAGGTGCT TCCTCCNCCT CCAAGCNAGG NTTNANTTCC ACCTGGGAAA TCTGGCCANA GAAAGGTGGT	180
TCCTCCNCCT CCAAGCNAGG NTTM- TCCTCCNCCT CCAAGCNAGG NTTM- TGAAAATCCT TCCNGCACAT GCCAAACCCT AGAACCCGGG GANAGCACGG GGGNGGTGGG TGAAAATCCT TCCNGCACAT GCCAAACCCT AGAACCCGGG GANAGCACGG GGGNGGTGGG	200
ATTACCTGGT GCAGCANACT	
(2) INFORMATION FOR SEQ ID NO:1526:	
<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 146 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1526:	
(xi) SEQUENCE DESCRIPTION OF THE CONTROL OF THE CON	60
(xi) SEQUENCE DESCRIPTION  GGCAGAGTGA ACAGCCCCG NCGGCGCANA CGAGCCCGGA CCACACCCGG TNCCGGAGGT  GGCAGAGTGA ACAGCCCCCG NCGGCGCANA CGAGCCCGGA CCACACCCGG GCAGCGNCAG	120
GGCAGAGTGA ACAGCCCCCG NCGGCCCIDA TCCCACAGCA AAGACAGGCA CCGGAAGGAG ACGGACCGGG AAGCGTAGGG GCAGCGNCAG	146
CAGGTAAGGN ACAGCCGNCA CCGNCG	
(2) INFORMATION FOR SEQ ID NO:1527:	
(i) SEQUENCE CHARACTERISTICS:  (A) LENGTH: 347 base pairs  (B) TYPE: nucleic acid  (C) STRANDEDNESS: double  (D) TOPOLOGY: linear	
GEO. ID. NO:1527:	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1527:  GGCAGAGNCA ACGCCACTCC TTCTAAGTCT TCATCGATCA ATGACATTTN ATCCATGTCC	60
GGCAGAGNCA ACGCCACTCC TTCTAAGTCT TCATCOTTCTAGGCAA CGGGNACCCC ACTGAGCAGA CGCTGGCCTC AAACACAGAC AGCAGTCTTA ATGCCTCGAA CGGGNACCCC	120
ACTGAGCAGA CGCTGGCCTC AAACACAGAC AGCAGTOTOTOTOTOTOTOTOTOTOTOTOTOTOTOTOTOTOTO	180
TTGAAAGGCT GTCGAATGGA TAGGTTAGGA AATACCTATAGAAAGCCTTGAAAGCCT GCCGTGGGGC CTGAAATGCT TGGGAGTTGA TGGGAACCAA ATAGAAAAAC	240
CTCTGNACCT GCCGTGGGGC CTGAAATGCT TGGGNCTTTTCAAA CCGGTGGGGT TCCATGTTCC TGGCATGTAA AGAAACACAA TGNCTTGGNC CTNTTTCAAA CCGGTGGGGT	300
TCCATGTTCC TGGCATGTAA AGAAACACAA TGACTTOO	347
TTGCNCTGCT TTAGATGGTT AAAAATGGGG GGCAGGANTA TGTTTTG	
(2) INFORMATION FOR SEQ ID NO:1528:	
(i) SEQUENCE CHARACTERISTICS:	

(A) LENGTH: 332 base pairs(B) TYPE: nucleic acid

GGCACGAGGG AAAATCGCAA TACTATATTA TGTTTGGNCC CGATATTGT GGNCACGAGAGGA AAAATCGCAA TACTATATTA TGTTTGGNCC CGATATTGT GGNCACGAGAAC AAGAAACTGN 120  ATCAGGAGAAAGT NCATGTTATT TTACATTTCA AGAATAAGTA TCACGAAAAC AAGAAACTGN 120  ATCAGGTGTA AGGTTGGATG GCTTCACACA CCTGTTACAC TCTAATTTTN AAGACCAGAT 180  CTTTCTTATG ATGTGNAAAA TTGATGGTCA GTGCAATTGG AATCCGGCAG CATAGAGTTA 240  CGGACTGGGA ACTTAAACAT CACTCCAAGA GGGAAACGTC CCCCGGNCAG ATTCGAAGGA 300	(C) STRANDEDNESS: double (D) TOPOLOGY: linear	
GGCAGNGCAG CTATGCTAAT TTGCAAACAG GTTCTGGAGT NCTTAAAGAT AGTTTNTCTG  GTGGAATGCA GTTGCTTCCA GATCCTNTAT ATTCTCTTCC TACNNATAAT ACTTACCTTT  120  TAACAATAAC TTNCACTGAT AATGGGCAGA ATTTCTTGG CTGGNAAAGG ATGGCTGTTT  AAACCACTCA AAGAGCTTCA CTTTCTTTNC CTTGGTNCCT TCCTTGGCTA CCAATTTCAC  GTTTCTTCAG AAGAGCTTCA CTTTCTTTNC TT  (2) INFORMATION FOR SEQ ID NO:1529:  (i) SEQUENCE CHARACTERISTICS: (A) LENCTH: 348 base pairs (B) TYPE: nucleic acid (C) STRANDENNESS: double (D) TOPOLOGY: linear  (xi) SEQUENCE DESCRIPTION: SEQ ID NO:1529:  GGCACGAGGG AAAATCGCAA TACTATATTA TGTTTGGNCC CGATATTTGT GGATTTNATA  ATCAGGTGTA AGGTTGGATG GCTTCACACA CCTGTTACAC TCTAATTTTN AAGACCAGAT  ATCAGGTGTA AGGTTGGATG GCTTCACACA CCTGTTACAC TCTAATTTTN AAGACCAGAT  CTTTCTTATG ATGTGNAAAA TTGATGGTCA GTGCAATTGG AATCCGGCAG CATAGAGTTA  CGGACTGGGA ACTTAAACAT CACTCCAAGA GGGAAACGTC CCCCGGNCAG ATTCGAAGGA  TTGGGCAACA GGACTTAAAG GNNCAACAAA GCCCCAGGGA CTTGGGGC  (2) INFORMATION FOR SEQ ID NO:1530:  (1) SEQUENCE CHARACTERISTICS: (A) LENGTH: 366 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: double		
GGCAGNGCAG CTATGCTAAT TTGCAAACAG GTTCTGGAGT NCTTAAAGAT ACTTACCTTT  GTGGAATGCA GTTGCTTCCA GATCCTNTAT ATTCTCTTCC TACNNATAAT ACTTACCTTT  TAACAATAAC TTNCACTGAT AATGGGCAGA ATTTTCTTGG CTGGNAAAGG ATGGCTGTTT  180  ATATGAAAGT AGCCTACCAG GCTGTAAGCA GGGTGGTTTA GCCAAAGATG TAGGGAAAAT  AAACCACTCA AAGAGCTTCA CTTTCTTTNC CTTGGTNCCT TCCTTGGCTA CCAATTTCAC  GTTTCTTCAG AAGAGATGNAT NCCNTATTTC TT  (2) INFORMATION FOR SEQ ID NO:1529:  (i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 348 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: double (D) TOPOLOGY: linear  (xi) SEQUENCE DESCRIPTION: SEQ ID NO:1529:  GGCACGAGGG AAAATCGCAA TACTATATTA TGTTTGGNCC CGATATTTGT GGATTTNATA  60  ATCAAGAAAGT NCATGTTATT TTACATTTCA AGAATAAGTA TCACGAAAAC AAGAAACTGN  ATCAGGTGTA AGGTTGGATG GCTTCACACA CCTGTTACAC TCTAATTTTN AAGACCAGAT  CTTTCTTATG ATGTGNAAAA TTGATGGTCA GTGCAATTGG AATCCGGCAG CATAGAGTTA  CGGACTGGGA ACTTAAACAT CACTCCAAGA GGGAAACGTC CCCCGGNCAG ATTCGAAGGA  TTGGGCAACA GGACTTAAGG GNNCAACAAA GCCCCAGGGA CTTGGGGC  (2) INFORMATION FOR SEQ ID NO:1530:  (i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 366 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: double	(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1528:	
TAACAATAAC TTNCACTGAT AATGGGCAGA ATTTTCTTGG CTGGNAAAGG ATGGCTGTTT  ATATGAAAGT AGCCTACCAG GCTGTAAGCA GGGTGGTTTA GCCAAAGATG TAGGGAAAAT  AAACCACTCA AAGAGCTTCA CTTTCTTTNC CTTGGTNCCT TCCTTGGCTA CCAATTTCAC  GTTTCTTCAG AAGGATGNAT NCCNTATTTC TT  332  (2) INFORMATION FOR SEQ ID NO:1529:  (i) SEQUENCE CHARACTERISTICS:  (A) LENGTH: 348 base pairs  (B) TYPE: nucleic acid  (C) STRANDEDNESS: double  (D) TOPOLOGY: linear  (xi) SEQUENCE DESCRIPTION: SEQ ID NO:1529:  GGCACGAGGG AAAATCGCAA TACTATATTA TGTTTGGNCC CGATATTTGT GGATTTNATA  60  ATCAGGAGGT NCATGTTATT TTACATTTCA AGAATAAGTA TCACGAAAAC AAGAAACTGN  120  ATCAGGTGTA AGGTTGGATG GCTTCACACA CCTGTTACAC TCTAATTTTN AAGACCAGAT  CCTTTCTTATG ATGTGNAAAA TTGATGGTCA GTGCAATTGG AATCCGGCAG CATAGAGTTA  CGGACTGGGA ACTTAAACAT CACTCCAAGA GGGAAACGTC CCCCGGNCAG ATTCGAAGGA  (2) INFORMATION FOR SEQ ID NO:1530:  (i) SEQUENCE CHARACTERISTICS:  (A) LENGTH: 366 base pairs  (B) TYPE: nucleic acid  (C) STRANDEDNESS: double	GGCAGNGCAG CTATGCTAAT TTGCAAACAG GTTCTGGAGT NCTTAAAGAT AGTTTNTCTG	60
ATATGAAAGT AGCCTACCAG GCTGTAAGCA GGGTGGTTTA GCCAAAGATG TAGGGAAAAT  AAACCACTCA AAGAGCTTCA CTTTCTTTNC CTTGGTNCCT TCCTTGGCTA CCAATTTCAC  300 GTTTCTTCAG AAGGATGNAT NCCNTATTTC TT  332  (2) INFORMATION FOR SEQ ID NO:1529:  (i) SEQUENCE CHARACTERISTICS:	GTGGAATGCA GTTGCTTCCA GATCCTNTAT ATTCTCTTCC TACNNATAAT ACTTACCTTT	120
AAACCACTCA AAGAGCTTCA CTTTCTTTNC CTTGGTNCCT TCCTTGGCTA CCAATTTCAC  300 GTTTCTTCAG AAGAGCATGNAT NCCNTATTTC TT  332  (2) INFORMATION FOR SEQ ID NO:1529:  (i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 348 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: double (D) TOPOLOGY: linear  (xi) SEQUENCE DESCRIPTION: SEQ ID NO:1529:  GGCACGAGGG AAAATCGCAA TACTATATTA TGTTTGGNCC CGATATTTGT GGATTTNATA  60 TCAAGAAAGT NCATGTTATT TTACATTTCA AGAATAAGTA TCACGAAAAC AAGAAACTGN 120 ATCAGGTGTA AGGTTGGATG GCTTCACACA CCTGTTACAC TCTAATTTTN AAGACCAGAT  CTTTCTTATG ATGTGNAAAA TTGATGGTCA GTGCAATTGG AATCCGGCAG CATAGAGTTA  CGGACTGGGA ACTTAAACAT CACTCCAAGA GGGAAACGTC CCCCGGNCAG ATTCGAAGGA  TTGGGCAACA GGACTTAAGG GNNCAACAAA GCCCCAGGGA CTTGGGCC  (2) INFORMATION FOR SEQ ID NO:1530:  (i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 366 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: double	TAACAATAAC TTNCACTGAT AATGGGCAGA ATTTTCTTGG CTGGNAAAGG ATGGCTGTTT	180
AAACCACTCA AAGAGCTTCA CTTTCTTTNC CTTGGTNCCT TCCTTGGCTA CCAATTTCAC  300 GTTTCTTCAG AAGAGCATGNAT NCCNTATTTC TT  332  (2) INFORMATION FOR SEQ ID NO:1529:  (i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 348 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: double (D) TOPOLOGY: linear  (xi) SEQUENCE DESCRIPTION: SEQ ID NO:1529:  GGCACGAGGG AAAATCGCAA TACTATATTA TGTTTGGNCC CGATATTTGT GGATTTNATA  60 TCAAGAAAGT NCATGTTATT TTACATTTCA AGAATAAGTA TCACGAAAAC AAGAAACTGN 120 ATCAGGTGTA AGGTTGGATG GCTTCACACA CCTGTTACAC TCTAATTTTN AAGACCAGAT  CTTTCTTATG ATGTGNAAAA TTGATGGTCA GTGCAATTGG AATCCGGCAG CATAGAGTTA  CGGACTGGGA ACTTAAACAT CACTCCAAGA GGGAAACGTC CCCCGGNCAG ATTCGAAGGA  TTGGGCAACA GGACTTAAGG GNNCAACAAA GCCCCAGGGA CTTGGGCC  (2) INFORMATION FOR SEQ ID NO:1530:  (i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 366 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: double	ATATGAAAGT AGCCTACCAG GCTGTAAGCA GGGTGGTTTA GCCAAAGATG TAGGGAAAAT	240
GTTTCTTCAG AAGGATGNAT NCCNTATTC TT  (2) INFORMATION FOR SEQ ID NO:1529:  (i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 348 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: double (D) TOPOLOGY: linear  (xi) SEQUENCE DESCRIPTION: SEQ ID NO:1529:  GGCACGAGGG AAAATCGCAA TACTATATTA TGTTTGGNCC CGATATTGT GGATTTNATA  TCAAGAAAGT NCATGTTATT TTACATTTCA AGAATAAGTA TCACGAAAAC AAGAAACTGN  ATCAGGTGTA AGGTTGGATG GCTTCACACA CCTGTTACAC TCTAATTTTN AAGACCAGAT  CTTTCTTATG ATGTGNAAAA TTGATGGTCA GTGCAATTGG AATCCGGCAG CATAGAGTTA  CGGACTGGGA ACTTAAACAT CACTCCAAGA GGGAAACGTC CCCCGGNCAG ATTCGAAGGA  TTGGGCCAACA GGACTTAAGG GNNCAACAAA GCCCCAGGGA CTTGGGGC  (2) INFORMATION FOR SEQ ID NO:1530:  (i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 366 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: double		300
(i) SEQUENCE CHARACTERISTICS:  (A) LENGTH: 348 base pairs  (B) TYPE: nucleic acid  (C) STRANDEDNESS: double  (D) TOPOLOGY: linear  (xi) SEQUENCE DESCRIPTION: SEQ ID NO:1529:  GGCACGAGGG AAAATCGCAA TACTATATTA TGTTTGGNCC CGATATTTGT GGATTTNATA  60  TCAAGAAAGT NCATGTTATT TTACATTTCA AGAATAAGTA TCACGAAAAC AAGAAACTGN  ATCAGGTGTA AGGTTGGATG GCTTCACACA CCTGTTACAC TCTAATTTTN AAGACCAGAT  CTTTCTTATG ATGTGNAAAA TTGATGGTCA GTGCAATTGG AATCCGGCAG CATAGAGTTA  CGGACTGGGA ACTTAAACAT CACTCCAAGA GGGAAACGTC CCCCGGNCAG ATTCGAAGGA  TTGGGCAACA GGACTTAAGG GNNCAACAAA GCCCCAGGGA CTTGGGGC  (2) INFORMATION FOR SEQ ID NO:1530:  (i) SEQUENCE CHARACTERISTICS:  (A) LENGTH: 366 base pairs  (B) TYPE: nucleic acid  (C) STRANDEDNESS: double		332
(i) SEQUENCE CHARACTERISTICS:  (A) LENGTH: 348 base pairs  (B) TYPE: nucleic acid  (C) STRANDEDNESS: double  (D) TOPOLOGY: linear  (xi) SEQUENCE DESCRIPTION: SEQ ID NO:1529:  GGCACGAGGG AAAATCGCAA TACTATATTA TGTTTGGNCC CGATATTTGT GGATTTNATA  60  TCAAGAAAGT NCATGTTATT TTACATTTCA AGAATAAGTA TCACGAAAAC AAGAAACTGN  ATCAGGTGTA AGGTTGGATG GCTTCACACA CCTGTTACAC TCTAATTTTN AAGACCAGAT  CTTTCTTATG ATGTGNAAAA TTGATGGTCA GTGCAATTGG AATCCGGCAG CATAGAGTTA  CGGACTGGGA ACTTAAACAT CACTCCAAGA GGGAAACGTC CCCCGGNCAG ATTCGAAGGA  TTGGGCAACA GGACTTAAGG GNNCAACAAA GCCCCAGGGA CTTGGGGC  (2) INFORMATION FOR SEQ ID NO:1530:  (i) SEQUENCE CHARACTERISTICS:  (A) LENGTH: 366 base pairs  (B) TYPE: nucleic acid  (C) STRANDEDNESS: double	(2) INFORMATION FOR SEQ ID NO:1529:	•
GGCACGAGGG AAAATCGCAA TACTATATTA TGTTTGGNCC CGATATTTGT GGATTTNATA 600  TCAAGAAAGT NCATGTTATT TTACATTTCA AGAATAAGTA TCACGAAAAC AAGAAACTGN 1200  ATCAGGTGTA AGGTTGGATG GCTTCACACA CCTGTTACAC TCTAATTTTN AAGACCAGAT 1800  CTTTCTTATG ATGTGNAAAA TTGATGGTCA GTGCAATTGG AATCCGGCAG CATAGAGTTA 2400  CGGACTGGGA ACTTAAACAT CACTCCAAGA GGGAAACGTC CCCCGGNCAG ATTCGAAGGA 3000  TTGGGCAACA GGACTTAAGG GNNCAACAAA GCCCCAGGGA CTTGGGGC 3400  (2) INFORMATION FOR SEQ ID NO:1530:  (i) SEQUENCE CHARACTERISTICS:  (A) LENGTH: 366 base pairs  (B) TYPE: nucleic acid  (C) STRANDEDNESS: double	<ul><li>(A) LENGTH: 348 base pairs</li><li>(B) TYPE: nucleic acid</li><li>(C) STRANDEDNESS: double</li></ul>	
GGCACGAGGG AAAATCGCAA TACTATATTA TGTTTGGNCC CGATATTTGT GGATTTNATA 600  TCAAGAAAGT NCATGTTATT TTACATTTCA AGAATAAGTA TCACGAAAAC AAGAAACTGN 1200  ATCAGGTGTA AGGTTGGATG GCTTCACACA CCTGTTACAC TCTAATTTTN AAGACCAGAT 1800  CTTTCTTATG ATGTGNAAAA TTGATGGTCA GTGCAATTGG AATCCGGCAG CATAGAGTTA 2400  CGGACTGGGA ACTTAAACAT CACTCCAAGA GGGAAACGTC CCCCGGNCAG ATTCGAAGGA 3000  TTGGGCAACA GGACTTAAGG GNNCAACAAA GCCCCAGGGA CTTGGGGC 3400  (2) INFORMATION FOR SEQ ID NO:1530:  (i) SEQUENCE CHARACTERISTICS:  (A) LENGTH: 366 base pairs  (B) TYPE: nucleic acid  (C) STRANDEDNESS: double		
TCAAGAAAGT NCATGTTATT TTACATTTCA AGAATAAGTA TCACGAAAAC AAGAAACTGN  ATCAGGTGTA AGGTTGGATG GCTTCACACA CCTGTTACAC TCTAATTTTN AAGACCAGAT  CTTTCTTATG ATGTGNAAAA TTGATGGTCA GTGCAATTGG AATCCGGCAG CATAGAGTTA  CGGACTGGGA ACTTAAACAT CACTCCAAGA GGGAAACGTC CCCCGGNCAG ATTCGAAGGA  TTGGGCAACA GGACTTAAGG GNNCAACAAA GCCCCAGGGA CTTGGGGC  (2) INFORMATION FOR SEQ ID NO:1530:  (i) SEQUENCE CHARACTERISTICS:  (A) LENGTH: 366 base pairs  (B) TYPE: nucleic acid  (C) STRANDEDNESS: double	(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1529:	
TCAAGAAAGT NCATGTTATT TTACATTTCA AGAATAAGTA TCACGTTATC AGAATAAGTA TCACGTTATC AGAATAAGTA TCACGTTATC ATCAGATTATT AAGACCAGAT  ATCAGGTGTA AGGTTGGATG GCTTCACACA CCTGTTACAC TCTAATTTTN AAGACCAGAT  CTTTCTTATG ATGTGNAAAA TTGATGGTCA GTGCAATTGG AATCCGGCAG CATAGAGTTA  CGGACTGGGA ACTTAAACAT CACTCCAAGA GGGAAACGTC CCCCGGNCAG ATTCGAAGGA  TTGGGCAACA GGACTTAAGG GNNCAACAAA GCCCCAGGGA CTTGGGGC  (2) INFORMATION FOR SEQ ID NO:1530:  (i) SEQUENCE CHARACTERISTICS:  (A) LENGTH: 366 base pairs  (B) TYPE: nucleic acid  (C) STRANDEDNESS: double	GGCACGAGGG AAAATCGCAA TACTATATTA TGTTTGGNCC CGATATTTGT GGATTTNATA	60
ATCAGGTGTA AGGTTGGATG GCTTCACACA CCTGTTACAC TCTAGTTTA TOTAL CACTGGGTGTA AGGTTGGATGGATGGATGGATGGATGGATGG	TCAAGAAAGT NCATGTTATT TTACATTTCA AGAATAAGTA TCACGAAAAC AAGAAACTGN	120
CTTTCTTATG ATGTGNAAAA TTGATGGTCA GTGCAATTGG AATCCGGCAG CTTTGTGTGAAGGA 300  CGGACTGGGA ACTTAAACAT CACTCCAAGA GGGAAACGTC CCCCGGNCAG ATTCGAAGGA 300  TTGGGCAACA GGACTTAAGG GNNCAACAAA GCCCCAGGGA CTTGGGGC 340  (2) INFORMATION FOR SEQ ID NO:1530:  (i) SEQUENCE CHARACTERISTICS:  (A) LENGTH: 366 base pairs  (B) TYPE: nucleic acid  (C) STRANDEDNESS: double	ATCAGGTGTA AGGTTGGATG GCTTCACACA CCTGTTACAC TCTAATTTTN AAGACCAGAT	180
TTGGGCAACA GGACTTAAGG GNNCAACAAA GCCCCAGGGA CTTGGGGC  (2) INFORMATION FOR SEQ ID NO:1530:  (i) SEQUENCE CHARACTERISTICS:  (A) LENGTH: 366 base pairs  (B) TYPE: nucleic acid  (C) STRANDEDNESS: double	CTTTCTTATG ATGTGNAAAA TTGATGGTCA GTGCAATTGG AATCCGGCAG CATAGAGTTA	240
(2) INFORMATION FOR SEQ ID NO:1530:  (i) SEQUENCE CHARACTERISTICS:  (A) LENGTH: 366 base pairs  (B) TYPE: nucleic acid  (C) STRANDEDNESS: double	CGGACTGGGA ACTTAAACAT CACTCCAAGA GGGAAACGTC CCCCGGNCAG ATTCGAAGGA	300
<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 366 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> </ul>	TTGGGCAACA GGACTTAAGG GNNCAACAAA GCCCCAGGGA CTTGGGGC	348
<ul><li>(A) LENGTH: 366 base pairs</li><li>(B) TYPE: nucleic acid</li><li>(C) STRANDEDNESS: double</li></ul>		
	<ul><li>(A) LENGTH: 366 base pairs</li><li>(B) TYPE: nucleic acid</li><li>(C) STRANDEDNESS: double</li></ul>	

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1530:

GGCACGAGCT CGTNCGNTGC AAAACCACTC CCACCAAGTG AACGCTTGGA ACAGGAACTC

TTTTCTGGAG GCAACACTGG GATTAATTTT NAGAAATACG ATGACATTCC AGTTGAGGCA

60

120

ACAGGCAACA ACTGTNCCTC CACATATTGA AAGTTTCAGT GATGTTGAGA TGGGAGAAAT	180
ACAGGCAACA ACTGTNCCTC CACATATTGA TECTOGCCCA ACTCCAGTGC CAAAAGCATG TATCATGGGA AACATTGAGC TTACTCGTTA TACTCGCCCA ACTCCAGTGC CAAAAGCATG	240
TATCATGGGA AACATTGAGC TTACTCGTTA TACTCATGGC TTGTGCCCCA AACAGGGTTC	300
TATCATGGGA AACATTOTO  CTNATTGCCT ATTATNCAAA GAGAAAAGAG ACTTGATGGC TTGTGCCCCA AACAGGGTTC	360
TGGTAAAAAC TGCCAGGNAT TTTTNTTGCC CNTCTTGAGT NCAGATTTAT NCAGATGGTC	366
CAGGCG	
(2) INFORMATION FOR SEQ ID NO:1531:	
(i) SEQUENCE CHARACTERISTICS:  (A) LENGTH: 408 base pairs  (B) TYPE: nucleic acid  (C) STRANDEDNESS: double  (D) TOPOLOGY: linear	
vo 1521.	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1531:	60
GGCACGAGGC TTGGCGGGGT GGATAATATC CTGGTCAAAA TNACTGACCC ACATCANTAA	
GGCACGAGGC TTGGCGGGGT GGTGGGTCAA ATATCTGTNC ATGTGGACAT CACTGCCACC TGTCGTTCCT CCAAAGATGC CGTGGGTCAA ATATCTGTNC ATGTGGACAT CACTGCCAAAC	120
TGTCGTTCCT CCAAAGATGC CGTGGGTAAAC  CCAGGAACGG GAGATCATAA AAGTCACTGT AAAAAGTGAA TTGCTATTAA TGACCTAAAC  CCAGGAACGG GAGATCATAA AAGTCACTGT AAAAAGTGAA TTGCTATTAA TGACCTAAAC	180
CCAGGAACGG GAGATCATAA AAGTCACTOT  TGGCAGACCA CAGCAATGTT CCGCCCCTTT NTGGAAGTTT GTATACTGGG ACCCAACCTT	240
TGGCAGACCA CAGCAATGTT CCGCCCCTTT ACCAAAAAGCA ACACATGGTC ACCAAAGTTA GGAGACAAGA AGAGAAAACA AGGCACAAAA ACAAAAAGCA ACACATGGTC ACCAAAGTTA	300
GGAGACAAGA AGAGAAAACA AGGCACAAAA TOTAAGAGGAAATTGC GGAGACAAGA AGGAAATTCG GCCAGGGTTT ATGAAATTGC CAATGNAACT TTGCAGTTCC TTTTGCGGAA AGGAAATTCG GCCAGGGTTT ATGAAATTGC	360
CAATGNAACT TTGCAGTTCC TTTTGCGGAA NOOTTCGNTT NTNGGATG	408
TCTGTCCGTT AAGGGTTATG TTTTGCCANG NAGTTCGNTT NTNGGATG	
(2) INFORMATION FOR SEQ ID NO:1532:	
(i) SEQUENCE CHARACTERISTICS:  (A) LENGTH: 52 base pairs	
(= ) myne, nijcleic acra	
(C) STRANDEDNESS: GOODIC	
(D) TOPOLOGY: linear	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1532:	
GGCACGAGGT TTTTTTTTTT TTTTTTTTNG GAAAAANAA NCTTTNAAAA NT	52
(2) INFORMATION FOR SEQ ID NO:1533:	
(i) SEQUENCE CHARACTERISTICS:  (A) LENGTH: 301 base pairs  (B) TYPE: nucleic acid  (C) STRANDEDNESS: double  (D) TOPOLOGY: linear	

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1533:	
GGCACGAGCC CGACCGTNAA TGTGTGTNTN CTCTTCCCCA GTNCTGGCCA TTCAG	GCCCG 60
AAAGCGGAGG CCGAAAAGAG AGAAACATCC GAAAAAGCCG GAGCCTCAAC AGAAA	GCTCC 120
TTTAGTTCCT CCTCCTCCAC CGCCACCACC ACCACCACCG CCACCTTTGC CAGAC	CCCAC 180
ACCCCCGGNG CCAGAGGNGG AGATCCTGGG GTCAGATGNT GAGGAGCAAG AGGAC	CCTGC 240
GGACTACTNG CAAGGNATTT ACAAGTTTTG TNACTATTTA TTGGAGNAAT TATTT	TTAGC 300
T	301
(2) INFORMATION FOR SEQ ID NO:1534:	
(i) SEQUENCE CHARACTERISTICS:  (A) LENGTH: 380 base pairs	
(B) TYPE: nucleic acid (C) STRANDEDNESS: double	
(D) TOPOLOGY: linear	:
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1534:	
GGCACGAGGT TGGATGGTGC AGTGGCTGTA TTTNATGCCT CTCCTGGTGT AGAGG	GCCCAG 60
ANTCTCACAG TATGGAGGCA AGCTGATAAA CACAATATAC CTCGAATCTG TTTTT	TTAAAC 120
AAGATGGACA AAACTGGAGC AAGCTTTAAG TATGCAGTTG AAAGCATCAG AGAGA	AAGTTA 180
AAGGCAAAGC CTTTGCTTTT ACAGTTACCA ATTGGTGAAG CCAAAACTTT CAAAG	GGAGTG 240
GTGGATGTAG TAATTGAAAG AAAAACTTCT TTTGGGAATT TGCCAATTCC AAATG	GGATGG 300
AAAAGACTTT GAGGAGAAGN CCCCTCTTTG GGAATGNATN GTTCCNGGAT TTGCT	rgaagg 360
GGAACCACCT NAGGCAAGGG	380
(2) INFORMATION FOR SEQ ID NO:1535:	
<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 395 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
( ') GROVENSON PROCESSING SEC. ID NO. 1535	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1535:	
GGCACGAGGT GAAGTTCAAA GATGTGGCTG GCTGTNAGGA GGCCAAGCTA GAGAT	
AATTTNTGAA TTTCTTGAAA AACCCAAAGC AGTATCAAGA CCTAGGAGCA AAAAT	TCCCAA 120
AGGGTGCCAT TCTCACTGGT CCTCCAGGCA CTGGGNAAGA CGCTGCTAGC TAAGC	GCCACA 180

GCCGGAGAAG CCAATGTCCC CTTCATCACC GTTAGTGGAT CTNAGTTTTT GGAGATGTTC

240

	•	
GTTGGTGTGG GCCCTGCTTA GAGTCCGAGA CTTATTTGCC CTTGCTCGGA	AGGAATGCCC	300
CTTTGCATCC TCTTTCATCG GTGGAATTCG TGCGGTGGNG AAGGGAAGAG	AGGAAGAGGC	360
AANTTTTTGG AGGGGCAAGA NTTTNGNCAG GGGGG		395
(2) INFORMATION FOR SEQ ID NO:1536:		
(i) SEQUENCE CHARACTERISTICS:		
(A) LENGTH: 326 base pairs (B) TYPE: nucleic acid		
(C) STRANDEDNESS: double (D) TOPOLOGY: linear		
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1536:	•	
TGTTTTNAGT TTCTTTTTT NCGTTTNATT TTTTNNAAAT TGCATTTTAC	AGTAGAAATG	60
CAGACCACTT TGGATAGCTA TGGCTCGATA CTTCTGGGTG CCCTCCTCCT	AAGANATCCT	120
CTTCTTACAT TCCACTGANC AGAAAACCAT CCCTTCTACT GGCATGAACT	TCTGCCCAAT	180
GAGGCATTTG CTGCAGCAAG AGCACAGAAA GCACTCTGTG GNATGCATGC	CAGCTGAAAT	240
TGTTATAGGT CACCCGNTGC ACTTNCTGGG TCGATGGGCA TTGTGGGCNT	CCTTGACACA	300
CCACAGGGTG ATTTNTTNCA AATAGC		326
(2) INFORMATION FOR SEQ ID NO:1537:		
(i) SEQUENCE CHARACTERISTICS:		
(A) LENGTH: 439 base pairs (B) TYPE: nucleic acid		
(C) STRANDEDNESS: double (D) TOPOLOGY: linear		
(=, =======		*
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1537:		
GGCACGAGAA GCTTTCCCAC ACACATCACA CTCATAGGGC TTCTCTCTAC	CGTGGATTCG	60
CTGGTGTCCA ACAAGAGCTG AACTGTATCT GAAGGCCTTT CCACGCTTGT		120
TAGTTTCTTT CCACTGTGGA TTTTCTGGTG ACAGAAGAGG CCCAAGCACT		180
TTTCCCTCAC TCACTACACT GCTATGGCTT CTNTTCAGTA TGAACTCTGA		240
GATATGAACT CAGAGAGGAT TTCCCACAAT CATTACACTG GTATGGTTTC	•	300
GGAGTTTCTC TGGTGTCCAA ATAACATCTG AGGTNGTGGA TGGAAAGGAC		360
TCACTTACAT TGGGAAAGGG TTTCTTCCTG TNGTGGGGTC CTTCAAATGN		420
TATGNACTGT AATAAAAGG		439
(2) INFORMATION FOR SEQ ID NO:1538:		133
(%) THEORIGHTON FOR SEA ID NO: 1339:		

(i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 427 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: double (D) TOPOLOGY: linear. (xi) SEQUENCE DESCRIPTION: SEQ ID NO:1538: GGCAGAGCAA AGAGGCATTT GGGCAGTCCT TCTCCATCCA CCGGAAGGTT GCTGAAGATG 60 GAGAGACTCG GGAGGAAACG CTTCTCCAGG AGTCAGCATC GAAGGAGGCT TACTATCTGG 120 GGAAGATCTT GGAGATGCAG AACGAGCTGA AACAGAGCCG GGCTGTGGTC ACTAATGTAC 180 AGGCAGAAAA CGAGAGGCTC ACCGCAGTCG TGCAGGATCT GAAGGAGAAC AATGAGATGG 240 TGGAGCTACA GAGAATACGG ATGAAGGATG AAATNCGCGG ANTATAAGTT CCGGGAGGCA 300 CGGCTCCTTT CAGGACTATT ACTTGAATTT GGGAGGANGA AATTTTCACC TTGCAGAAAC 360 TAGTGTTCCN CGTTTGNAGG CAGANCCAGT TGATTACGNG GGTTTAAAGC CTGGGTTTAG 420 427 CGCTTTT (2) INFORMATION FOR SEQ ID NO:1539: (i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 489 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: double (D) TOPOLOGY: linear (xi) SEQUENCE DESCRIPTION: SEQ ID NO:1539: 60 TTTTCNAGTT TCTTTTTTN CGNTTAATTT TTTCNAAATT GCATTTNACA GTAGAAATGC AGACCACTTT GGATAGCTAT GGCTCGATAC TTCTGGGTGC CTCCTCCTAA GACATCCTCT 120 -TCTTACATTC CACTGAACAG AAAACCATCC CTTCTACTGG CATGAACTTC TGCCCAATGA 180 GGATTTNNTG CAGAAAGAGC ACAGAAAGCA CTCTGTGGAT GCATGCCAGN TGAAATTGTT 240 ATAGGTCACC CGCTGCACTT CTGGGTCGAT GGCATTGTGG CATCCTTGAC ACACCACAGC 300 GTGATTCTTC ACATAGCAGG GCTTGCACAC GGGCTTGTNA TTGACCATCA CGTATATTCT 360 CCCCAGNTAG ANTGNTNTCA CAGTCAAAGC AGCAGAAGTG TTTCAGGTGC CATTCTGGTT 420

TTCTGCCTGG GTATACTCAT TGTNGATATC AGTTCGTCAC AGCCAGCACN CGGGGTTTTT

480

489

(2) INFORMATION FOR SEQ ID NO:1540:

GGTGTCACA

(i) SEQUENCE CHARACTERISTICS:

(A) LENGTH: 462 base pairs(B) TYPE: nucleic acid(C) STRANDEDNESS: double(D) TOPOLOGY: linear

GCCTTTNTGC AAAG

(2) INFORMATION FOR SEQ ID NO:1542:

(i) SEQUENCE CHARACTERISTICS:

(A) LENGTH: 374 base pairs (B) TYPE: nucleic acid

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1540: GGCANAGGNT TTCCTTGCCC GATTCCTTCA TGCTATATCT CATGAACCTC TGTAATCTTG 60 GGGGAGAGAC TATATTTAAT GATGACAAAC CTGTCACCAG TGTAGCAACA ACAGTGTGAG 120 GACAAAAGCA AATAAAAATT AAGNAAGCGT TCAAATTTAT ATTCAACAAG GAAGTCATTT 180 CAATCAACAA CTTCTGCTGC ATTATTTTTC CAAGATGAAC CGATACACAA CCATGAGACA 240 GTTGGGGGAC GGCANTATGG GAGTGTGCTT ATGGGCAAGA GTAATGAATC CGGGGNGCTG 300 GTGGCCATCA AAAGGNTGAA GAGAAAGTTC TATTCTTGGG GTGATGGCAT GAACTTNNGG 360 GGAGTTTAAG TTTCTGNAGG AACTTTATTC NGGCCATGTT ATTTAAATNG AAAGANGTTT 420 TTCNGGGGAA ATGACCCTCT TTATTTTATA TTGGATTTTT GG 462 (2) INFORMATION FOR SEQ ID NO:1541: (i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 494 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: double (D) TOPOLOGY: linear (xi) SEQUENCE DESCRIPTION: SEQ ID NO:1541: GGCACGAGCC GGACTCTTTT CCCTCTACTG AGATTCATCT GTGTGAAATA TGAGTTGGCG 60 AGGAAGATCG ACCTATCGGC CTAGACCAAG ACGCTACGTA GAGCCTCCTG AAATNATTGG 120 NCCTATGCGG CCCGAGCAGT TCAGTGATGA AGTGGAACCA GCAACACCTG AAGAAGGGGA 180 ACCAGCAACT CAACGTCAGG ATCCTGCAGC TGCTCAGGAG GGAGAGGATG AGGGAGCATC 240 TNCAGGTCAA GGGCCGAAGC CTGAAGCTGA TAGCCAGGAA CAGGGTCACC CACAGACTGG 300 GTGTNAGTNT NAAGATGGTC CTGATGGGCA GGAGATGGAC CCGCCAAATC CAGAGGAGGT 360 GAAAACGNCT GAAGAAGGTG AAAAGCATTC ACAGTTTTAA AAGAAGNCAC GTTGNAATGA 420 TGCAGGTTGT TCTATGTTGG GAATTTGTTC CTTTNAATTT NTCCCATTAA AGGTTTTACA 480 494 (C) STRANDEDNESS: double
(D) TOPOLOGY: linear

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1542: 60 GGCAGAGGNG ACTTGGAGAG ACACCCTACC CCCCGATTGC CGTTTGTTGA CGTGGCAACA 120 GGGTCCCTAG GTCAGGGATT AGGTACTGCA TGTGGAATGG CTTATACTGG CAAGTACCTT GATANGGCCA GCTACCGGGT GTTCTGCCTT ATGGGNGATG GCGAATCCTC AGAAGGNTCT 180 GTNTGGGAGG CTTTTGCTTT TGCCTCCAC TACAACTTGG ACAATCTCGT GGCGGTCTTC 240 GACGTGAACC GNTTGGGGAC AAAGTGGCCC TGCACCCCTT GTGGCATGGC GCAGACATCT 300 TACCAGAATT GCTGTGAAGC CTTTTGGGTT GGAATAATTN ANTTANTGGA TGGNCCATGA 360 374 NTGTTGGAGG CCTT (2) INFORMATION FOR SEQ ID NO:1543: (i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 475 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: double (D) TOPOLOGY: linear (xi) SEQUENCE DESCRIPTION: SEQ ID NO:1543: 60 GGACGAGGTT TGCGGGACAG GCTCTCACCA TCCTGGGAAG TACTGGACCA GTGCTTGTTT TTGAAAAGAT TTTNTTCAAA TTCTGCAAAG ACTATGCTCT TTCATACCTC TCCCTGCGAG 120 CTTGTATTGG ACTGTGGACC GCTTTCCTGT GTATTGTCCT TGTGGCAACT GATGCCAGTT 180 CCCTTGTCTG CTACATTACC CGTTTCACTG AAGAAGCATT TGCCTCCCTA ATTTGCATTA 240 TTTTCATCTA TGAAGCAATA GAAAAACTGA TTCACCTGGC AGAGACCTAC CCCATCCACA 300 . TGCACAGCCA GCTGGACCAC CTTAGCCTCT ATTACTGCAG GTGTACTCTG CCAGAGAATC 360 CAAACANTCA CACCCTCCAG TACTGGAAGG ACCACAACAT CGTGACAGCA GAAGTCCACT 420 GGGTTAACNT GANTGTTCAT GTAAGTTTGG GNGTTGCCAG TTGTCNTAGG CNTGT 475 (2) INFORMATION FOR SEQ ID NO:1544:

(i) SEQUENCE CHARACTERISTICS:

(A) LENGTH: 378 base pairs(B) TYPE: nucleic acid(C) STRANDEDNESS: double(D) TOPOLOGY: linear

⁽xi) SEQUENCE DESCRIPTION: SEQ ID NO:1544:

CTACCTGCCA ACTTTNCCCA TGGGCCTTCA ATTAGTACAT	T TGGAATAGGA GTNCGGATGC 60
TGGGGCAAGG NAAAGAGAGC TANGAAGGGT CCTNCTGAGG	G TTTTCTCAAA CAATGATGAA 120
GGCCTTATTA ACAAAAAGTT ACCCAAAGAA CTTCTGTTAA	A GAATATTTNC CTTCTTGGAT 180
ATAGTAACTT TNTNCCGATG TGCACAGATT TCCAAGGCTT	r ggaacatctt agccctggat 240
GGAAGCAACT GGCAAAGAAT AGATCTTTTT AACTTTCAAA	A CAGATGTAGA GGGTCGAGTG 300
GTGGAAAATA TCTCGTAGCT GATGCGGTGG ATTNCCTGAC	G GTAGCTCAGN TTTNCTAAGG 360
CTTGCATTGN NTGTTGGG	378
(2) INFORMATION FOR SEQ ID NO:1545:	
<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 318 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	

## (xi) SEQUENCE DESCRIPTION: SEQ ID NO:1545:

GGCACAGGTG GATGGGCATC TNAGTGGTTG TCGTCTTTTT CTCTCTTT CACCTCTTTT 60

NAGGTTTTAT TGTGACTACT GCGATACATA CCTCACCCAT GGACTCTCCA TCTGTGAAGA 120

AAGACACACT GCAGGGGAAG GGAAACACAA AGAGGAATGT GCAAAGACTA TTNATNCAGA 180

AATGGGATGG GAAGACCAGG CTTCAGAGCC TGATTGGACA AAACAACGGC TGGCATTTCA 240

ACAAGGGAAA GGTNACCTCC TGACTNCCAT TCTNCTGGTN CCTTCCTCCT GGCAAGGGGC 300

GGATGGTTAC CACCTTNC 318

## (2) INFORMATION FOR SEQ ID NO:1546:

- (i) SEQUENCE CHARACTERISTICS:
  - (A) LENGTH: 290 base pairs
  - (B) TYPE: nucleic acid
  - (C) STRANDEDNESS: double
  - (D) TOPOLOGY: linear

### (xi) SEQUENCE DESCRIPTION: SEQ ID NO:1546:

60	NAAGCCGAGC	AGAAGTAAGT	AGCACAGTAA	GAATCATGGG	GGCCCTAGAA	AGGTGGAAAT
120	GAAATGATGG	AAGTGGCCAG	CCCCAGAAGA	GATTCAGGGC	TTCCTCGGGA	CTNGGGGTGG
180	GCACCTAAGA	ACCCTCAGGT	CTGTGATCGN	АААТССАААТ	GGAAATAAGA	TGGAAAAAGA
240	ACCATCGGAG	TGGCANGTCA	ATGTAGACGC	TTCATTGGCC	AAATGTAGTA	AAGAACACGT
290		GATCACTNNG	TTGACANAAG	CTCCCA ATCC	መርመመመመጥር <u>ል</u> ል	CNACACATCA

(2) INFORMATION FOR SEQ ID NO:1547:	
<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 378 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1547:	
GGCACGAGAG GAAGGCTCAC TCTGCTCCGT CTCCATCGAG AAGGCACTGC CTGAGNGACA	60
GAGGCTTATA CAAGTTTGTA GCCAAGATTG ACGCTGGCCA GGCGGAGTGC TCCTGCCAAG	120
TCACTGTGGA TGAATGCTCC AGCCAGTGAA GGAACACCAA GGCCCCAGAG ATGAAATCCC	180
GGAGNCCCAA GAGCTCTCTT CCTCCCGTGC TAGGAACTGA GAAGTGATGC GACTGTGAAA	. 240
AAAGAAACCT GCCCCCAAGA CACCTCCGAA GCAGCAATGC CCCCTTCAGA TCATCCAGTT	300
CCCTGAGGAC CAGAAGGTTA CGCGNCAGNG NAGTCAGTGG AGTTTTTTNG GCAAAGTGGA	360
CAGGGCATTC AGNCCATT	378
(2) INFORMATION FOR SEQ ID NO:1548:	
<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 211 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1548:	
GGCANGAGGG AATCAACTCC TGAGCTTTCT GCAGAACCCA CACCAAAAGC TCTNGNAAAC	60
AGTCCCAAGG AACCTGGTGT ACCTACANCT AAGNCTCCTG CAGCGACTAA ACCTGAAATG	120
AACTACANCA GCTAAAGACA AGACAACAGN ANGAGGACTT ACGTACTACA CCTGAANCTA	180
CAACTGCTGG CACCTAAGGT GNCAAAAGCG G	213
(2) INFORMATION FOR SEQ ID NO:1549:	
<ul><li>(i) SEQUENCE CHARACTERISTICS:</li><li>(A) LENGTH: 387 base pairs</li><li>(B) TYPE: nucleic acid</li><li>(C) STRANDEDNESS: double</li></ul>	

(D) TOPOLOGY: linear

CACCGAGACC ACTGAAGCCA TGGCGCCAGA CATCCTAGCC AAGAAATTAG CTGCTGCTGA	120
AGGCTTGGAG CCAAAGTACC GGATTCAGGG AACAAGAAAG CAGTGGGAGA GGAGGATAGT	180
GAACCTCTCA CCTGAAGAAC GAGAAAAAAA GCGACAATTT GAAATGAGGA AGGAAGCTTC	240
ACTACAATGA AGGACTTCAA TATTCAAACT TAGCCAGACA ATTAATTTTC AAAAGACCTA	300
CATGNTGGTG GTTGAAGTTG NAGAAATGTT TAGAGANTGC AGATGGNGGA AAGCCTTGAA	360
TTACGGGAGG NTTCAATTCC AGGTTCT	387
(2) INFORMATION FOR SEQ ID NO:1550:	-
<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 331 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	*
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1550:	-
GGCACGAGCT ACCCCAGCAG CACCAATGTG GAGACCGTCA ACGATGGTGN TGAGTCGGCC	60
ATGTTCAAGC AGCTGTTCCA GAAGTGGTCA GTAAAGGACC AGACCATGGG CCTGGGGAAA	120
ACGTTCAGCA TTGGTAAAAT TGCTAAAGTT TTCCAGGATA AATTTGNATG TGACTCTGCT	180
ACACACCAAG CCAGAGGTAG CTGCCCAGGG AAAGAATGGT CGATGGATGG CAACGGGAAA	240
AGTTGAGGTC TGGGAGGAAT TNGAGGAACC TGGGNGCTGG GTCCCTGTGG GAGTTATTCA	300
ATGGTNTGGG CTTTCTTTN ATGGGNGGGA G	331
(2) INFORMATION FOR SEQ ID NO:1551:	
<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 475 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1551:	
GGCAGAGCAA CCCGGTGCCT AAACTCTACA GATCTGTAAT TGAAGATGTA ATTGAAGGAG	60
TTCGGAATCT ATTTGCTGAA GAAGGTATAG AGGAACAAGT TTTAAAAGAC TTGAAGCAGC	120
TCTGGGAAAC CAAGGTTTTG CAGTCTAAAG CAACAGAAGA CTTCTTNAGA AATAGCATCC	180
AATCACCTCT GTTTACTCTT CAGTTGCCGC ACAGCTTGCA CCAAACATTG CAATCGTCAA	240
CAGCATCATT AGTTATTCCT GCTGGTAGGA ACTCTTCCCA AGTTTTACCA CGGNGGAACT	300

GGGGCATTTC AAATTCCATG GCAAATTTAC NTTTTNCCCG GTTNTNCCCT TCCNGTACCC

360 '

GCAGGTNTTG NCCTTTCCGG CTGTTTTTGG GTCACTTTTT	NAAGGGCAAT	NTCCCATTTT	420
GGGTGCCAGG GTTTTTGGGG GGGGCCGGGT TTTTTTNGGG	TNCCATTTGG	GGNAG	475
(2) INFORMATION FOR SEQ ID NO:1552:	,	•	
<ul><li>(i) SEQUENCE CHARACTERISTICS:</li><li>(A) LENGTH: 318 base pairs</li><li>(B) TYPE: nucleic acid</li><li>(C) STRANDEDNESS: double</li><li>(D) TOPOLOGY: linear</li></ul>			
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1	552:		
GGCANAGGGA ATGCTTTTNA TCCAGTTGCC AAAGATTCCA	GTTTATGTGG	GCCGTTAAAG	60
TACTTCTATA GAGGCCTTGT ACCTAATAGC AACTAATGGA	ACCCCAGAAC	TTCAGAATCC	120
AGAGAAACTT TCCCCAATGA TTTCGGGGGAT TTCTTAAATC	GATGTTTGGG	AAATGGATGT	180
GGAAAAAAGG GGTTCAGCCA AAGGAATTAT TACAGCATCC	TTTCCTGAAA	CTGGCCAAAC	240
CGTTATCTAG CTTGACACCA CTNNTNCATG GGCAGCTTAA	AGNAAGCAAT	GGAAGAGTTA	300
ACCGTTNAAC ATCCACTG			318
(2) INFORMATION FOR SEQ ID NO:1553:			
<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 467 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>			
	553		
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1			
GGCACGAGCN CGGTGGTACG CTCNAGGNCG CGAGCCNACC			60
CCCGCGGCGG GGGAGGAGGN GATANCATCA GCAAAATGCC			120
CCCCGAAATA TCCTGGCGAC TCAAAGGGCA GGTCCTGTAA			180
CCCAGGAAGA CAAGAGCGGC TCCGAGGACC CCCCTCCCTT			240
CAGAAACCGT TAATGAAGTT TCCAAGCTGA GCAACAAGAT			300
ACATGGGAAG AGAAGGTTTT ACCTCCAAGC AGTCTGGGAA			360
TGCACAATGC CTTTTTGGGG ACCATNTTAA AGGGCAANTN	I TCAGCAAATT	CCCCTTGANT	420
TCAGNTGTGC TCTTTGAACT TTTTGAAAGG AATTTTAAGG	GGTTTTT		467
(2) INFORMATION FOR SEQ ID NO:1554:			

(A) LENGTH: 485 base pairs(B) TYPE: nucleic acid

(C) STRANDEDNESS: double
(D) TOPOLOGY: linear

(C) STRANDEDNESS: double (D) TOPOLOGY: linear (xi) SEQUENCE DESCRIPTION: SEQ ID NO:1554: TCCTGAAACA CCACGGGNGC AGTTCAACCA AGGTCATTGA CTTTGGGTCC AGCTGTTTCG 60 AGTACCAGAA GCTCTACACA TATATCCAGT CTCGGTTCTA CAGAGCTCCA GAAATCATCT 120 TAGGAAGCCG CTACAGCACA CCAATTGACA TATGGNGTTT TGGCTGCATC CTTGCAGAAC 180 TTTTAACAGG ACAGCCTCTC TTCCCTGGAG AGGATGAAGG AGACCAGTTG GCCTGCATGA 240 TGGAGCTTCT AGGGATGCCA CCACCAAAAC TTCTGGAGCA ATCCAAACGT GCCAAGTACT TTATTNAATT CCAAGGGCAT ACCCCGGTTA CTGGTCCTGT GNACTACCCA GGCAGNTAGG 360 GAGGGTTGTG NTTGTGGGGG GTCGNTCACG TAGGGGTTAA AAAGCGGGGT NCCCCAGGCA 420 GCAAAGATTG GGGACAGCAT TGNAAGGGTG TGGTGGCTAT TTGTTTATAG GGTTTTTTGA 480 485 AAGGT (2) INFORMATION FOR SEQ ID NO:1555: (i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 346 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: double (D) TOPOLOGY: linear (xi) SEQUENCE DESCRIPTION: SEQ ID NO:1555: AGCGGCACGA GGNCTCCTNT TGGCAGANTT GGCCAGTNTT CCCCAGTGAC AGCCTGGNTC 60 TTTGGATTCA AGCTGCCTGG TCAGACTGCA NGTTCATCTG TACAAAGAAG GAAGCAACAG 120 TGCCAGGTTC CAGCGTGCGT TCCAAGTTCC ACATTCTGTG TGGCAGACTC CCAACGCCAG 180 AGCAAAGGCA GGCCCCTGGC AGGGGGACTC TGNAGGAAAG TGGAACTNCC AGGAGACACT 240 GCCTGNAAAT TGTTCCTAAA GTTCAAAGGG AGCCAAACGG TGTNACGAGC TTCCCTCTTT 300 346 NGCCGTNCCC CTNTTNAAGA AGCCAGCCAT GGCCCTGAGT GATTGT (2) INFORMATION FOR SEQ ID NO:1556: (i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 188 base pairs (B) TYPE: nucleic acid

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1556	:
GAGTCACTGG CATTTACGAA CTCAGCTTAT GCAAAATNTC AG	TCACAGGT AGTCCAGGTA 60
TGCAGAGAAG NNGAAGAAAA ATCTTAGATA CGTCATGGGC ATA	ATGTCCGG GGAGAAGAGA 120
ACTTAGCNGG ACTGGCGGCC CCGTGGGAGN ACAGCCTTCA TCC	CTTNAGCA CCANTGGGGA 180
GCTGGNGG	188
(2) INFORMATION FOR SEQ ID NO:1557:	
<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 309 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1557	
GGCAGAGCTC ACCTCCAGTT CACATGTTAA AGTCCTCACC CC	CAGCAAGA CAGTNTTGGA 60
GGTGGGGCCT TTGGGAAGGG GAGCAGGTTT AGAGAAGATC CT	GGGGGACC CTCACGAATG 120
AGATGAGTGC CCTGATGGGN AAGAGACACC GGGAGCCTCC TC	TCCAGGTA GTCACACACG 180
GGGACNGTGC ACATGAGCAA GAGGCTGCTG TGCCGTAAAG CT	TGGGGGGT GGTCCTTCCA 240
ACNGGTAACT GGGNTGCTGT GGTCACCTGG GAGGCTGTGT TT	TCCCAACT GNNCAGTAGC 300
TTGGGNGGA	309
(2) INFORMATION FOR SEQ ID NO:1558:	
<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 356 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1558	3:
GGCACGAGCA ACAGACTCAA TAGAAAGACT CCCAGTGTAT AA	
TTACAACACC AACCACGAGG CTGACGACTG GTGCGTCCCC AG	
GACGACGTTC CGCAGTGCCT AGNACACACT TGGGAACATC GG	
TTTGTATTAA ATTTGGAAGG CTTAACCTCT NCAAGCTCTT GA	
GATTAGTGCC ATGGATTCCA GGTCTTGNAG ATTAAAAGGG CA	
AGGTTACTGG CATTTTTTAA CAAGTTGGAA GNTTTGTGGG CA	
ADDITACTOR CATTITITA CAACTIONA GNIIIGIOO CA	TILLING BILONG

(2) INFORMATION FOR SEQ ID NO:1559:

(i) SEQUENCE CHARACTERISTICS:

(A) LENGTH: 502 base pairs

(B) TYPE: nucleic acid

(C) STRANDEDNESS: double

(D) TOPOLOGY: linear

# (xi) SEQUENCE DESCRIPTION: SEQ ID NO:1559:

GGCACGAGGG	AAAGCACCCT	GAGAAGACAG	GAAAGAAAGA	ATGCAGCACT	GGTTACCAGG	60
ATGAAAGCCC	AGAGGCCAGA	GGAATGCTTA	AAACACATCA	TTGTAGTGCT	GGATCCAGTG	120
CTCTTACAGA	TGGNAAGGTG	GGGGCCAGCT	CCTAGGAGCA	CTGNAGACCA	TGGAGTGCCG	180
CTGTGTGATT	GAGGCGCAGC	TGTGCCTTGC	AGTGTCACTT	GGAGGAGAAG	GGCTGGGCCG	240
TCTGAGGACA	GNGAGGACTG	GGTGGAGGAG	CCAACAGTAC	TGGTGTTGCT	CCGGGCAGAG	300
GCATTTGTNT	CCATGATCGA	CAATGGAAAG	CAAGGAAGNC	TNGACAGCAT	TATGAAAGGG	360-
AAGGAAACGN	TTCAGGGTTT	TTAACTGNCN	TCACAGCAAA	GNCAGCAAGG	AAAGTTTTTT	420
CACTGGTGAT	TNTGGTTCAG	GGNAATGTTT	CATTGTTCAG	ATTCTCCCCA	GAAGGGGNAA	480
CAGGGGCAAT	TAACCAGCCC	AG				502

# (2) INFORMATION FOR SEQ ID NO:1560:

# (i) SEQUENCE CHARACTERISTICS:

- (A) LENGTH: 504 base pairs
- (B) TYPE: nucleic acid
- (C) STRANDEDNESS: double
- (D) TOPOLOGY: linear

# (xi) SEQUENCE DESCRIPTION: SEQ ID NO:1560:

•						
GGCACGGCTC	ACACCGGCCT	GTCCTGAGCA	AGGGTTTGCT	GCTGCTCCTC	TGGCTCTCCT	60
TTGCTGAGAC	CTGNAGTCAC	CGGTTCGCCT	TTGATGTNCT	CACTCGTCTT	GGTTGTGTTT	120
TCATAGCCCT	TGGCAACTTG	CTTCTGGGAT	ATTCAGTTTC	AGGGTGTTTA	GGNGTTACGT	180
TATTGAAGAT	AAGAGTTTCT	TTTTCTGTAA	CTTGTTCTAA	TTTGGGTGGG	TAATAAGAAC	240
AGAGGCCTTC	AGAGAAGTAT	TTACTCTGAC	GTCTTTAAAG	CTTTTTAAGG	CCCACGGCCA	300
GATTTCTTTA	ATACACTTTG	GGCATCCTCT	GTCTGTAAAA	TTAGGGAATT	GTATAATGTC	360
CTCGCTAACA	TACTTTCAGG	TTAACCTGTT	TATGGTTCTG	ATGTATTTAC	ATGAAATTTG	420
GGTAACACTA	AATATAGTGA	ATGTTTTCTT	ACAGACAGAA	CCTCCACTCA	ATACACCAGA	480
AAGCAGAGAG	TATCTTGCAG	NANT				504

(2) INFORMATION FOR SEQ ID NO:1561:

(i) SEQUENCE CHARACTERISTICS:

(A) LENGTH: 340 base pairs	
(B) TYPE: nucleic acid (C) STRANDEDNESS: double	
(D) TOPOLOGY: linear	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1561:	
GGCANAGNAA AAAAAATTCA AGACCAAGAC CAAGAGCTGG CCACTGTGCT GTTGCAATCG	60
GCANTCGATT GTATTTTGG AGTGGAAGAG ATGGCTACAA AAAAGCATGA ATAGTCAAGT	120
TTGCTGCANG NTCTTTGGTA TCTTGNTACT GNGANACCAC CGGNACCATC TCAAGTACAG	180
CTGATCAAAG CCACTACCAA CTCCTTTGAT GTCAAGTGGG ATGAAGTGTC TACAGTTGNG	240
GGCTATCTTT TGCAGTTGAG TACAGACTTG NCATACCAAG CTGGCATCAT CNAGATTTTT	300
TCAGCAGCAC CAATTNTGCA AGGAGTTCAG GNTGGGACCN	340
(2) INFORMATION FOR SEQ ID NO:1562:	
(i) SEQUENCE CHARACTERISTICS:	
(A) LENGTH: 307 base pairs (B) TYPE: nucleic acid	
(C) STRANDEDNESS: double	
(D) TOPOLOGY: linear	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1562:	
AAGAGAAAGG AGGCTCTCAG TAAAATGACC CAAATCATCC ATGAGACAGA CCTGTTAATG	60
AACACCATGC TCATAGAAGA GCTGCANGAC TGGGAGCGGC GGCACAAATC GCCTGCATCG	120
GGGGTCCACT CCACAATGGG CTCGACCAGC TTCAGAACTG CTTTACACTA TTGGCAGAAA	180
GTCTTTTCCA ACTGAGAAGG CAATTGGAGA AACTAGAGGA GCAATCTTAC CAAAATGNAC	240
ATATGGAAGG TGATCCCATT CCAATGCAAA GAACTCACAT NGTTAGNAAG AGTCACCTTC	300
ATATIGAAAG TGATCCCATT CCTTTCGTTT CTTTCTCTTTT	
TTGNTTN	307
<b>s</b>	307
TTGNTTN  (2) INFORMATION FOR SEQ ID NO:1563:  (i) SEQUENCE CHARACTERISTICS:	307
TTGNTTN  (2) INFORMATION FOR SEQ ID NO:1563:  (i) SEQUENCE CHARACTERISTICS:  (A) LENGTH: 333 base pairs	307
TTGNTTN  (2) INFORMATION FOR SEQ ID NO:1563:  (i) SEQUENCE CHARACTERISTICS:  (A) LENGTH: 333 base pairs  (B) TYPE: nucleic acid	307
TTGNTTN  (2) INFORMATION FOR SEQ ID NO:1563:  (i) SEQUENCE CHARACTERISTICS:  (A) LENGTH: 333 base pairs	307

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1563:

CCCTGGGAAA CTACCACAAA GAGGAGAACC AGGAGCACCA GCTGGGGNAA CAACACCCTC	120
TCCAGCCACC TCCAGATCGA CAAGATGACC GACAACAAGA CAGGAGAGGT GCTGATCTCC	180
GAGAAATGTG GTGGCATCCA TTGCAACCAG CGGAGGGGGA GCTTCGAGGG TGATTTGAAA	240
GGTACCCAGG ATGGAGGAGA AGGAGGCCCT TGGTACCCAT TNCAGAAGGN CCACGGGACA	300
GTTTTCCACA AAGAANTTCC NNCCCCGGTT TGG	333
(2) INFORMATION FOR SEQ ID NO:1564:	
<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 319 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	•
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1564:	•
GGCAGAGGNA CCAGCGCGCC CCATTCACCT TGGCTGTNGT NGTTNCACAT GACCCAGGCT	60
GGCCAGTNGT CAGGTTGCAC CGCCCTTTGG TTCCCGAGCA TGCTGTTTTN TTTNAGCCTT	120
CTNTCCAACC TTAACCAAAT CGGCAGCAGC CACCTNGAAC CGNCCACACA TTCCTGGCCA	180
ATNAGCTCAG CTGTTTATTT ACCAAATGTT TTCACAACAA CTACAGCAGC AGCTTTCGGT	240
TAACAAAAAA GCAGGAAAAA TCCACAACAC CNNGTTGGGC AACCAANTAA ATCCAAGGGA	300
ACATNTGGNA AAACCTTTT	319
(2) INFORMATION FOR SEQ ID NO:1565:	
<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 116 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1565:	
ACGGAAACAA TCTGAAGGTG AAGAGAAGAC ATTAACAGGG GNCGTGTAAA ACCAGTCCTN	60
CCACGTAANT NNACCAAAGA AACAGCTGCC TTCTATTCCC AAAAATGCTT TGCCCA	116
(2) INFORMATION FOR SEQ ID NO:1566:	
<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 379 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1566:	
GCCCTGGAAG ACGATCCCNA GTTCAACGCA GGTTGTGGGT CTNTNTTGAA CACAAATGGT	60
GAGGTTNAAA TGGATGCTAG TATCATGGAT GGAAAANACC TGTCTGCAGT AGCAGTGTCC	120
GCAGTCCAGT GTATAGCAAA TCCCATTAAA CTTGCTCGGC TTGTNATGGA AAAGACACCT	180
CATTGCTTTC TGNACTGACC AAGGCGCAGC AGTTTTGCAG CAGCTAATGG GGGTTCCAGA	240
GATTCCTGGA GAAAAACTGG TGACAGAGNA GAAACAAAAA GCGCCTGGAA AAAAGAGGAG	300
GCATGAAAAA GGTGCTTCAG AAAACAGGTT TGTTCAANAA AACTTTGGGG AACCNTGGGG	360
TGNTTGTTNG TCTTGGGAN	379
(2) INFORMATION FOR SEQ ID NO:1567:	
(i) SEQUENCE CHARACTERISTICS:	
<ul><li>(A) LENGTH: 393 base pairs</li><li>(B) TYPE: nucleic acid</li></ul>	•
(C) STRANDEDNESS: double	
(D) TOPOLOGY: linear	•
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1567:	
GGCACGAGAG CCTCCTCAAC TGGAGGCGAG TTTNTTCCTT CACGGGGNCG GTTCCCCGCG	60
NCCCGGNACG NNCACCGAGC GGGGGCCATC CGGGAAGCTG ATGATCATCT TTGGAGGGGG	120
AAATAAGGGC ATCGCGGATG AAGCTGGCAC GTNTACAACA CGGCTACGAA TCANTGGTNT	180
CTGCCAGCTG TTAGAGGAGA TATCCCTCCA GGCTGTGNTG CCCATGGATT TGTCTGTGAA	240
TGGTACCAGG AATATTAGTA TTTGGGGGAA TGGTTGAATA TGGGAGNTTA CAGCAATGGA	300
GTTTATATGA AGTTACCAAG CAAGTGCGTT GGTTATTGGG AAAAAAAGTG AAACCCCCAT	360
NCCCCCTNCN TTNTGGTTTT AACNCCCTTG TCC	393
(2) INFORMATION FOR SEQ ID NO:1568:	
<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 295 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1568:	
GGCACGAGGG AAGAAGCACA GTAATGANTT TAANATGACG TCATTCCTGT TAATCCAACA	60
CCTGCNACCT TNTTNACTGT NTGANGCGGT ACAGCGGGGA TGAAGGGCTT CATGAACTCA	120
AAATACAGCA AAGCACAACG GAACACTGCC TTAAGANCTT TAACCTCACC GAATACCGTC	180

AGTACTGAGC CGAACCTTTC CATTCAAATC TACCAGCAGC TCTTGAAAAT TGCCGAGGG	r 240
GCGTTACAGC CGNTGATAGT TTNTTCCCAT GTTGGGAAAT NNGGGGCTTT CCNGG	295
(2) INFORMATION FOR SEQ ID NO:1569:	
<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 308 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1569:	
GGNACAGGTC GGCATTATTT AAATGAAATT GGACAGTATG ACAAGGATAT GGNTTTTNG	G 60
GGAAGAGAAA ATTTGGAACT TTNACTAAGG ATCTGGATGT TTGGAGGCCA ACTTTTTAT	A 120
ATCCCCTGCN CTCGAGTAGG ACATATCAGT AGGAANCAAA CTGGGAAANC CTTCTACAA	T. 180
CATCAGTGCC TATGAACACA TNAACTGNCC TAAGATCTGG TGGCACGTTT GGTTGGATG	G 240
ATTATNAGGG GAGCCAGTTT TTTNTTTCGG AAAGTCTGGT CTGGAAATAT GTNACCTNC	G 300
GGAAANTT	308
(2) INFORMATION FOR SEQ ID NO:1570:	
<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 156 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
( ) GROUPING DESCRIPTION, GEO. ID NO. 1570.	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1570:	C 60
GGCAGACCGG CACGAGGNNA ANCTGGGTGC TGGAAATGGA AACCTGCAGT NCCTNGACA ATGCAGAAAG CCAGAGTGGA AACTAGCAGA GTTCTTCACA TCATGGNTTT NNAANGAGG	
	156
CAAAAACTTC TAAATNCCAG TTATTACAGC TGGTAG	130
<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 264 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1571:

GCAGGANCTG GNCAAATTTN GCTTACTTCA TCANTTTATT GAAAAAAAT TCAAAGATGA	120
CTCAAATCAT ACAATAGGAG TGGGAATTTG GTTCAAAGAT AATNAAATGT NGGTGGTAAA	180
TATGTAAAGT TACAAATATG GGATACAGCA GGNCAAGACC GATTCAGGTC CGTGNNGGAG	240
NAAGTTATTA CCGAGGCGCG GCCG	264
(2) INFORMATION FOR SEQ ID NO:1572:	
<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 335 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1572:	
TATTTGGTCA AGATACTCAC TTGTAATTAT NCCAAAAANT TGGAGTCTGT TTCCNGTTAA	60
TTCNTTTTTG GGGGCAGCAG GAGCCTCTCA CCTTTTNGGT ATTTGGAGAT ATAACCAAGA	120
NCTAAAAGCT AAAGCACACA AATGAAAAGA NTTCCTGATC ACCTGANCAA TCTAGATGTG	180
GACAAAACCA TTGGGGACCT AGTTTATTAT TTGGTTATTG ATAAAGCAAA GCTAACTGTN	240
TGTTTAGAAA GGCACTGTNA ACTGGTAGCT AGTTCCTTGG ATTCCAATAG AAAAATGNCA	300
GCAAAACTTT TAATAAACAG TTCTCTNTAN CATGG	335
(2) INFORMATION FOR SEQ ID NO:1573:	
<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 108 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1573:	
TTTTTANCTT CGGGCTCTNA ATTTTNGCGA GTAAAANTGG CTAAGTGACT ATGGTGGAAA	60
TGGTTTCGGA AGGACGTNTT AGAATGATGT TGAAAACTAT NACCCATG	108
(2) INFORMATION FOR SEQ ID NO:1574:	
<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 329 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	

⁽xi) SEQUENCE DESCRIPTION: SEQ ID NO:1574:

GGNAGGAGGT GTCGACTCCC TCAAAGCCAT GACCAGGCGA ANCAATACGG ANAAGTTNCT	60
AATCTCCTTN AGGGTGTAAT GAATGTCCTG GAAGCACTTC CACAAGTATA TGGGGATTCC	120
CCAGATCCGG CAGCTTTCCG AAAGNNTGAA GGCTGCACAG ACTGANTTAG GACAGCAAAT	180
CCTGGCAGAT TTTGAAAGAA GCGTTTCCTT CCCAGGGGCA CCAAGNGNCC AGGTGGACCC	240
AGCAATGTTC TTACGAGATG CATGTTCTGG TTGCTAAATA TTCTGGATTC CCAGGGTTCA	300
ANCNGGNATC CTTCAANAAG TTTNTTAAA	329
(2) INFORMATION FOR SEQ ID NO:1575:	
<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 397 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
	•
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1575:	
AGCTGCCAAA AGGGCATCCT GGAAGCCCCA TGGAGGACGG AGTAANATGG ATCGGGAAAT	60
TTCCATTGTT GTNCTTAATT TTNAATGAAA ATANGTTTTG GTATTTGGAG GAAAATNTGG	120
CAACCCATGG NTCCCAGGAT CCAGGCAGTA TTAACCTACA GGATGAAACT TTCTTGGAGA	180
GCAATAAAAT GCATGCAATC AATGGGAAAA CTCTATGCCA ACCTTAGGGG TCTTACCATG	240
TACCAAGGTG AACGANTGGC CTGGTACATG CTGGCCATGG GCCAAGAATG TGGATCTACA	300
CACCNTCCAT TTTCATGCAG AGAGTTTCCC TCTATCGGAA TGGCGGGGAA CTACCGGGGC	360
AGTTGTGGGT GGTTCNTTTC CCCNGGGANT TTNAAGG	397
(2) INFORMATION FOR SEQ ID NO:1576:	
<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 328 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1576:	
AGCCCAGGGN AGCCCAGCCA GACGCCTCCG GTAGTGTAAA TAAGGACAAT GCCTGCTGGC	60
CCACATGAAC GGGGGGATGT AGACGGCAGC GGCGCCAGTC GTNCCTGGCA CCATGGACGA	120
TGCCACANTC CTGAAGGAAG AAGGGTTACA TCGTAGGCAT CAATCTTGGC AAGGNTTCCT	180
ACCOARARM CARRONCEC MACTEURARE COCCUERARET TEARTGTGGC TGTCAAGATE	240

ATCGACCGCA AGAAANCACC TACTGANTTT TTGGGAGAGA TTCCTTCCCT CGGGAGGATG

GGNCATCCTG GGCAACTNTN CAAACCAA	328
(2) INFORMATION FOR SEQ ID NO:1577:	
<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 403 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
A CONTRACT DESCRIPTION, GEO. ID NO. 1577.	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1577:	
AATAAAGATG CTTCANACTG CAAAGAATTT GTTGAAAGAG GAGAAATTGG TGCATAGCTA	
TCCGTATGAC TGGAGGACCA AGAAACCTGT GGTTATTCGT GCCAGCAAGC AGTGGTTTAT	120
AAACATCACG GATATTAAGA CTGCAGCCAA GGAATTGTTA AAAAAGGTGA AATTTATTCC	180
TGGATCAGCA CTGAATGGCA TGGTTGAAAT NATGGACAGG CGGCCATATT GGTGTATATC	240
AAGGCAAAGA GTTTGGGGTG TTCCAATTCC TGTGTTTCAT CCATAAGACC AAGGATGGAA	300
TACTTTGATN CAACAGGTTG GTTGGNCCCT GATGCCTTGG GAATATGTGC CCAGGTCCAG	360
GTNATTTTTG GGACATCTGG GNTTTGNTAG GCGGGAACTT TCC	403
(2) INFORMATION FOR SEQ ID NO:1578:	
<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 252 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1578:	
CGGCNTNTNT NTGCTCCGTC GCAGGACGCA GGGTTCGGGC CTAGGGTAGG CTCTCCTGA	A 60
TCGACAGGCG CCGGACCTCT NACAATGCAG ATCTTCGTGA AAGACTCTGA ACTGGTAAG	A 120
ACCATCACCC TCGAGGTTGA AGCCCAGTGA ACACCATCGA GAATGTCAAG GCAAAGATC	C 180
AAGATAAAGG AAGGCATCCC TCCTGACCAG CAGAGGCTGA TCTTTGCTGG NNAAACAGC	r 240
NGGNAAGATN GG	252
(2) INFORMATION FOR SEQ ID NO:1579:	
<ul><li>(i) SEQUENCE CHARACTERISTICS:</li><li>(A) LENGTH: 391 base pairs</li><li>(B) TYPE: nucleic acid</li><li>(C) STRANDEDNESS: double</li></ul>	

(D) TOPOLOGY: linear

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1579:	
TNTNCCCATC TTCCACATCC CTGGNCGTAC CTTCCCTGTT GANATCCTCT TCAGCAAGAC	60
CCCACAGGAG GNTTACGTGG AGGCTGCAGT GAAAGCAGTC CTTGCAGGTG CCACCTNTGC	120
GGGGGCCCCT GGGAGACATC CTTATCTTTC ATGCCTGGNC AAGAGGACAT TGAAGGTGAC	180
CTNAGACCAG ATTNTGGGAG CATCTGGNAG GGAACTNGGA GAACGNGNCC TGCCCTNGGG	240
TGTGNTGGNC CATCTAATTT NNAGTTGNNT TTTGAANCTT CCAGGNCAAA ATTTTTCCAG	300
AAGGGTTCCA ATTGGGGGTT CGGGAAGTTG CATGGTTGGC CAACNATATT GCCCGGNGAA	360
GGTTTTTTNA ATTGTTTGAN GGGATCAAGN T	391
(2) INFORMATION FOR SEQ ID NO:1580:	
<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 373 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	·
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1580:	
GGCACGAGTA AAGTTAACCA TTACTATGAA CCCAAGCTTA TTATAGATCT TTCCAATTGG	60
AAAGAACAAA GCAAAGAAAA ATCTGATAAG AAAGGCAAAT CAAAATGTGA AAGGTAATGG	120
NTTGGTTAAA GCCCAGATAG CGCTAGAGGG AAGCATCACA GCAACTGGCT GGNAAAAGNA	180
AAGGGAAAAG NAATCAGGGA TTTGAATTTT GAATTCCTTT ATTGCAGGAA CTATTNCAGC	240
TTAGTTTCCC AGNCATGAGC CTACTGATGT TGTTGATAAA ATTNAAATGG ACTTGGAATA	300
GCTCAGTGTT CCCAACTNNG AATTTGAAAA GGTTTTGATA TCCAAGGTTC CGTAAGNCCA	360
GGGAAAANCC GGG	373
(2) INFORMATION FOR SEQ ID NO:1581:	
<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 128 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1581:	
GATTNAACAA CGCNTTACTG CTCGCTGGGT TCATCCCGCC NATGGNCGTG TCTATAACAT	60
TGGAATTCAA CCCTCCCAAA NCTGTGGGGC ATTGGTGACC TGGACTNGGG GNGCCTCTGC	120
ATTGCAGC	128

ATTGCAGC

# (2) INFORMATION FOR SEQ ID NO:1582:

## (i) SEQUENCE CHARACTERISTICS:

- (A) LENGTH: 394 base pairs
- (B) TYPE: nucleic acid
- (C) STRANDEDNESS: double
- (D) TOPOLOGY: linear

# (xi) SEQUENCE DESCRIPTION: SEQ ID NO:1582:

GGCAGAGCTC	GTCCTNTTNC	CCAGGGACAA	GTGAGGTCGA	TGAAATCTTT	AAAATTTNCC	60
AAGTTTTAGG	GACTCCCAAA	AAAAGTGACT	GGCCAGAAGG	ATACCAGCTG	GGCATCCTCT	120
ATGAANCTTC	CGTTTTCCCC	AGTGTGTTCC	TATAANCTTA	AAAACTCTTA	TTCCCAATGC	180
CATAATGAGG	CTATTCAGCT	CATGACCGAA	ATGTTGAATT	GGGGTCCAAA	GAAACGGACC	. 240
GACAGCAAAG	CCCAGGCATT	GAAACACCCT	NTTTNCCAAG	TTGGTNCAGG	TNTTAGGCCC	300
TTGGTTCAAT	CCATCTGGGA	TNCAAAACAT	СТТТААТТАА	GCAGTNGCAA	CCCTTAGATT	360
CAAAGCCCTC	TTTAGTTTNG	GGTTNGGNCT	TAGG			394

## (2) INFORMATION FOR SEQ ID NO:1583:

## (i) SEQUENCE CHARACTERISTICS:

- (A) LENGTH: 380 base pairs
- (B) TYPE: nucleic acid
- (C) STRANDEDNESS: double
- (D) TOPOLOGY: linear

# (xi) SEQUENCE DESCRIPTION: SEQ ID NO:1583:

GGCACGAGTG	GACTAGGACT	GGCCCCGGCA	AAAAACAAGT	NTTATAGCTG	CCCAGTGTCC	60
TCTGAGTGGA	TGCTGGTGAT	TCTGGTATGG	AGCCCAGATG	TAAGGCAGCA	GGTGGTCCAG	120
AAGGCACCAG	AAGAGGTCTC	CTGTCAAAGT	CAGGGCCAGA	GAAGAAGGCA	CAGGGNNCCT	180
ACTGCACGAG	AACTTTCACT	TGCAACGAGC	AACCCATGAT	GAGGAGGGAG	GATTCCTGGG	240
GGCATTGAGT	CCCCNAGACA	CAAGGACCCN	GNACCTTCTT	GCTTGGGAAA	GTGGANTTCC	300
TTCAGAATTC	CGAGATGATG	CCATTTTNGG	AGGAAGNTGA	CATGAGGGAC	CCAAAACTTT	360
NTTGCTTTGG	AAAGTGNATT					380

## (2) INFORMATION FOR SEQ ID NO:1584:

## (i) SEQUENCE CHARACTERISTICS:

- (A) LENGTH: 336 base pairs
- (B) TYPE: nucleic acid
- (C) STRANDEDNESS: double
- (D) TOPOLOGY: linear

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1584:	
GAGCTCGTGC GGNTTNANTT AATTCTNCTG TTTCGTGAAC TGCGAGTGGA ACAGGAATCT	60
CTGTTGANAG CTTTNNGCTG TGGCCTGCAG TTTTNAGGCA ACATTNCCTC ACGGATTGAA	120
GATTCCCAGT CTATTGTTTG GGTGCATGCT TTCCCAGAAC TNTTTTTGTC TTGCTTAAAT	180
CATCCGGACA AAAAAATTNT TGCCTACTNT NCAATGATTT TGTTTACATC CCTTAATCAT	240
GAAAGATTGA AAGANCTNGT GGAGGAACCT NAATATTGCA ATTNATGTCA TAGATGCTTA	300
CCAAAAACAT CCNGAATCAG ATGGCCGTTC CTTGAT	336
(2) INFORMATION FOR SEQ ID NO:1585:	
<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 394 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1585:	
GGCACGAGCT TTGCACCNAG CCTGTGCTAA TGGACATACA GATGTTGTAC TTTTCCTAAT	60
TGAGCAACAA TGCAAAATAA ATGTCCGGGA TAGTGAAAAC AAATCCCCAT TGATTAAGGC	120
AGTACAGTGT CAAAATGAGG ATTGTGCTAC TATTCTTCTA AACTTTGGTG CAGACCCAGA	180
TCTGAGGGAT ATTCGTTATA ATACTGTNCT TCACTATGCT GTTTGTGGTC AAAGTTTGTC	240
ATTAGTTGAA AAACTGCTTG AATACGGAAG CTGGATCTTG AAGCGGAAAA ATAAGGGATG	300
GGTATACTCC ACTATTAGTT GCCGTTTATT TAACATTATN CCAAAATGGT AAAATTTCTT	360
CTNGNGGAAG GGGGNTGATG TGAATGCTTT CAGN	394
(2) INFORMATION FOR SEQ ID NO:1586:	
<ul><li>(i) SEQUENCE CHARACTERISTICS:</li><li>(A) LENGTH: 332 base pairs</li><li>(B) TYPE: nucleic acid</li><li>(C) STRANDEDNESS: double</li><li>(D) TOPOLOGY: linear</li></ul>	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1586:	
GGCACGAGGG NCTCTTCAGC TCAGCCCTCC ACAAAGTGTG AGCCTGAAGG ACCACCCTGA	60
ATTGCCCTTG TAGGACCCAG AACAGCTACC AGCAGAATCA GATTCTNATG GACCAACTGG	120

TATTCAAAGA GACAATCTGG GAATGAATGC GTTCTGGCAG AACCCCTGGG AACCAGGGAG

NCCTGGNCAG TGAATTATCT TATTCATCAC CGCTGTCCTG CTTCTGAATC TTATTTGCCA	240
TCGTGTTTGG TTTACTCACT TCCACAGAAA ACACTTCAGT GTGNAAGCGG GTNAAAGAGG	300
AGTNAACCTG GACTTNGCTG GGGGACTGAG AN	332
(2) INFORMATION FOR SEQ ID NO:1587:	
(i) SEQUENCE CHARACTERISTICS:  (A) LENGTH: 403 base pairs	
(B) TYPE: nucleic acid	
(C) STRANDEDNESS: double (D) TOPOLOGY: linear	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1587:	
GGCAGAGCGG CACGAGAGAA CCAGAAGGCT GGGCTGGGCC CTCGCTTCTN GCCCATCACC	. 60
CCTCTCCAAC AAGCTGCTCC CGGAGTGGGT CCCCCCTTCA GCCAGGNNCC AGCTCCCCAA	120
CTACCCCAG GACCCCCTGG CGCCCCCAAG CCACCACCTG CTTCCCAGCC CAGTCTGGTC	180
TCCACTGTGG CCCCTGGCTC CGGCCTGGTT CCCACGGCAC AGCNCGGGGC ACCGTTCCAT	240
GGCAGGCACT TTGGNCCCAG GAGGGGTGAG CGGCCCTTTC CCAGNCCAGT TGGAAGNCCC	300
CAGTCCTTGG GTTGGGGAAG CAATTNAATT TTTCCAATAA AGTTTTTTTG GNCTTGGGAG	360
CGGGGGTTNC TTGGANTTGG GNAAAGGGAA AACCCAAAAT TTG	403
(2) INFORMATION FOR SEQ ID NO:1588:	
(i) SEQUENCE CHARACTERISTICS:	
(A) LENGTH: 502 base pairs (B) TYPE: nucleic acid	•
(C) STRANDEDNESS: double	
(D) TOPOLOGY: linear	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1588:	
GGCACGAGAA TGAGCTCGTC GGCTGAAAGG GAACATCCGA GTAATTGCTC GTGTCCGGNC	60
AGTNACCAAA GAGGATGGGG AAGGACCTGA GGCCACCAAT GCTGTAACTT TCGATGCCGA	120
CGACGACTCC ATCATCCACC TGCTGCACAA GGGNAAGCCT GTNTCCTTCG AGCTGGACAA	180
GGTCTTCTCC CCACAGGCCT CGCAGCAGGA CGTGTTCCAG GAGGTGCAGG CCCTGGTCAC	240
CTCTTGCATT GATGGCTTCA ATGTCTGCAT CTTTGCGTAC GGCCAGACGG GCGCCGGCAA	300
GACGTACANG ATGGAGGGA CCNTGNNNAA CCCAGGTTTT CAACCAGNGG GCCNTGCAGT	360
NGTNTTATTC CGAGGTGNCA GGAGAAGGCG TTTTATTTGG GAGTTACACC TTCACCTTCA	420

GGNTTGNGGN GNTTTTACAT TGAGGTTCNT CAGGGACTTN TTAGGGGAAG AGCCNTCAGG

502 GAAAAATGGA GTTCGGTTNT GC (2) INFORMATION FOR SEQ ID NO:1589: (i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 504 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: double (D) TOPOLOGY: linear (xi) SEQUENCE DESCRIPTION: SEQ ID NO:1589: 60 GGCACGAGCC CCGGTGTTCA CTCAGGAGGA GAGATACAAG ATGGTGCAGG CCATCAAATG GGTGGACGAG GTGGTGCCAG CGGCTCCCTA CGTCACTACA CTAGAGACCC TGGACAAATA 120 CAACTGTGAA CTTCTGTGTT CACGGCAATG ACATCACCCT GACTGTAGAT GGCCGGGACA 180 CCTATGAGGA AGTAAAGCAG GCTGGGAGGT ACAGAGAATG CAAGCGCACG CAAGGGGTGT 240 CCACCACAGA CCTCGTGGGC CGCATGCTGC TGGTNAACCA AAGCCCNTCA CAGCAGCCAG 300 GAGATGTCCT CTGAGTACCG GGAGTTTGGC AGACATTTTG GCAAGTGCCT GGTGGGCGGT 360 AACCCTGGGA CCGGGGTNTT CCCATTNCTG NCAGACTTTT CAGNAGNTNC TTCCATTTGN 420 TTNTGGGGAA GGAGCCCCAG CCAGGGAGAC ATTCNNTATG TNGTTGGTGN CTTTGGACCT 480 504 TTTCCACNTG GGGCTGTGGA TTTC (2) INFORMATION FOR SEQ ID NO:1590: (i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 364 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: double (D) TOPOLOGY: linear (xi) SEQUENCE DESCRIPTION: SEQ ID NO:1590: GGCAGACCTG CACNCCTGAT CCATAATGCT NACGCCCAAA AAAGCTCCTT GGGTCTNANA 60 120 GGCCTCCAAA GCCTACTCCA AGGTTTCACC NNTNTTTNCC TGAAGTNANC CTGCTTCGGN AGNATAGACA GCTTATTCTN TGCCCCCATG GACTTCCGGG GNTTCCNTGG GAAACTACCA 180 CAAAGAAGGA GAACCAGGAG CACCAGCTGG GGGAGCAACA CCCTCTCCAG CCACCTCCAG 240 ATCGACAAGA TGACCGACAA CAAGACAGGN GAGGTGCTGA TTTCCGNGAA ATGTGNGTGG 300 CATCCATTNC AACCAGCGGT GGGGGAGCTT TCGAGGGGTG ATTTTGAAAG GTACCCCAGN 360 364 TTGG

(2) INFORMATION FOR SEQ ID NO:1591:

(i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 352 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: double (D) TOPOLOGY: linear (xi) SEQUENCE DESCRIPTION: SEQ ID NO:1591: 60 GGCAGAGTGA ACTTCTTCCT GTTGGTNTCC CCCCGCCGCT GTGGGGCCGT CGAGACCCGN CTGGNCGCTG AGATCCTGTG CCAGGGCAAG AAGTTCTACT TTGTGCGCAC CAAGGTGGAC 120 180 GAGGACCTGG CGGCCANGGC AACCNCAGNG GCCGTCGGGC TTCAAAAAGG CCGCTGTTCC TGCAGGAAAT CCGAGACCAC TGTGCCGAGC GGCTGCGAGA AGGCCGGCGT GGCTGACCCT 240 CGCATCTTCC TGGTGTCCAA CCTCTTNGCC GGTTCCGNTA ACGACTTTCC CACGCTGGTG TCCAACTGGG AAGCATGACC TGNCCTCCNA ACGGTGGCCA AGNTGGTCTG GT 352 (2) INFORMATION FOR SEQ ID NO:1592: (i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 424 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: double (D) TOPOLOGY: linear (xi) SEQUENCE DESCRIPTION: SEQ ID NO:1592: GGCAGAGGNT GGTTCATACC GACGGGGAAA GGCGACCTGT GGTGATGTCG ACGTGCTCAT 60 CACTCACCCA GATGGCCGGT CCCACCGGGT NATCTTCAGC CGCCTCCTTG ACAGTTTTCG 120 GCAGGNAAGG GTTCCTCACA GATGANTTGG TGAGCCANNA GGAGAATGGT CAGCAACAGA 180 240 AGTACTTGGG GGTNTGCCGG CTCCCAGGGC CAGGGCGGCG GCACCGGCGC CTGGTACATC 300 ATCGTGGTGC CCTATAGCGA ATTTGCCTGT GCGCCTGCTT CTACTTGCAC CGGCTCTGCA 360 CACTTNCAAC CGNTCCATGC NNAGCCCTGG CCAAAACCAA GGCATGANTT CTGTTCAGAA 420 CATGCCCTTC AGCAATGNTT GGGTTCCGGA AACAACCATG GGTGNAAAGT TGGGGCCTGG 424 NCNA (2) INFORMATION FOR SEQ ID NO:1593:

(i) SEQUENCE CHARACTERISTICS:

(A) LENGTH: 370 base pairs(B) TYPE: nucleic acid(C) STRANDEDNESS: double(D) TOPOLOGY: linear

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1593:	
GGCAGAGAGA ACTTCTGANC GTTGGTAGTN TGGGGATCCT GGCTTTNTNC TTCTTCACCC	50
ACCGTATCAG GATCGTCCAG GATACAGCAC CACCCCTCAA TTATTACTGG GTTCCTATAC 12	20
TGACGGTGAA TCGTTGGCTC CTACTTGNAT TGCACACGGT TTCTTCAGCG TCTATGGCAT 18	30
GTNTGTGGAC AGCTGTTCCT CTGCTTCTTG GAGGACCTGG AGAGGAATGA CGGCTCGGCC 24	40
AGAAGCTTTN ACTTGCATGT CTTCCACCCT CAAGAAACTN TTGAAACAAG ACCAACAAGA 30	00
AGGNAGGGAG TTCCTGAAGG CCCCGTGNTC CCCAACTTTT CAAGGAGTTT TCATGNCGCA 36	60 ⁻
GGTTGNTTCA 37	70
(2) INFORMATION FOR SEQ ID NO:1594:	
(i) SEQUENCE CHARACTERISTICS:	
(A) LENGTH: 406 base pairs (B) TYPE: nucleic acid	
(C) STRANDEDNESS: double (D) TOPOLOGY: linear	
(b) Toronogi. Timeat	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1594:	
GGCAGAGTGC CTGATCGAAG GCAGCNCGGC CAAGCTCACT TGCCGCATTT NGGCTTTCCC	60
GGACCCATTC ATCCGCTGGA GTAAGGNCGG CAAGGAGCTA CGTAACGGTC CCAAGTANCG	20
CTACGTNTTC AAGGACCCTG AACGTGGTGG CACTGGTGGT GCGCGAACGG CAAGCTGGCA 18	80
GACCTGGGCC AGTACAGCAT CAACGTTCAC CAACCCCTTC GGCCAGTGCT TCCGACTTCG 24	40
GNCGCGGCAT CCTCGTGGGA AGTCCCCGAC GGAGGATTTC AAAAGGGGAC CCGACAACAC 30	00
TAAGGCGCGC AAAGGCACCA CCGTNAACGN TTGATTCGGG AGATTCCTGG GGAGAGNCTG 3 6	60
CGCCCCGACG TAGGNTNGGA CCAAGGACGG GGGAGGGACA TTGAGG 40	06
(2) INFORMATION FOR SEQ ID NO:1595:	
(i) SEQUENCE CHARACTERISTICS:	
(A) LENGTH: 369 base pairs (B) TYPE: nucleic acid	
(C) STRANDEDNESS: double (D) TOPOLOGY: linear	
(b) TopoLogi: Tinear	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1595:	
GGCACGAGCT GGGGTGCCTN ATGCNATCAT GCTGTGTGTG CGCCAAATCT GCGCTGTNAT	60
	20
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CTGTTCTTCT CTCTGCCAAC CAGGGCTTCT NTGTCCAGGG TCAGTATGGG GCTGTGAACC

CCAGCTGAAG GTCACCAAGC TCCAGCAGCT CTGNAAGCNA TGCGG	TTCCC CTTTGGGNAC 240
ACCCAGCGTG GTGCCAGGGA CTGNGATCCC GGCACACAGA CCAGC	TTCAC AGGAGTTCCT 300
TGGGTTCCCA ACGATTTGAA TTGGTTGTNT GGATTCGGGN CGGCC	CAGGG NAGCAAAGNT 360
TCAANGGAG	369
(2) INFORMATION FOR SEQ ID NO:1596:	
<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 209 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1596:	
ACAGAACGGC CACGGNTTCA CCTGCCCAGG CACCTGCCCC AAACC	ATTCA AAAGAAGGTC 60
GGGGAGCCTG TGAAACCTTC TNATCCCTTT CCAGGGCAAG CCCCG	GCCTC AGGTGAACCT 120
GGNACCAAAG AGGGGCAGCC CCTGGNAGGT GAAGGTAGGT GNAGC	ATCCG CAACAGCCCC 180
ACAGANACCA TCCTGTTNCA TCCGGGTCG	209
(2) INFORMATION FOR SEQ ID NO:1597:	
<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 318 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
4 1) 5-44-40 PROPERTY OF SEC. TO NO. 1507	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1597:	
CCTTTGTCCG TNTGAATTAC CAGCACCGTA TGTCCCCTGA AATTG	
CCCACATTTA CCAGGATCTG GAGAATCATC CATCTGTTCT TAAGT	
GCCAAGTNCA AATTCCTGCA GAGCTTTGGC AACTGGGAAT GAGAA TCAGGGNATG AATTTTNATC TTTTTTNAAA GCTTACGATT AAGAA	
AATTGCTCCC TNCTGGGGNT TCTTGGGACC ACTGNNCTTC CTTCC	
	318
CCGNTTTGCT TGTGATTG	310
(2) INFORMATION FOR SEQ ID NO:1598:  (i) SEQUENCE CHARACTERISTICS:  (A) LENGTH: 232 base pairs  (B) TYPE: nucleic acid	

(C) STRANDEDNESS: double(D) TOPOLOGY: linear

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1598:	
CTAGTGNNTC CCCCGGGCCT GCAGGAATTC GGNAGAGCAC ACCTTTCCNT NTCCTTTTTG	6
GTGATGAAGG GCCCGATTAA GGCCCTGCTG CGGTGGCCCT TNANCCAGAA GGTAACCTTA	120
ATNCTGCTCG ACCAGAATAA CCGGGAAGCA CGTAATTNAG NGCTTTCAGG CCCGAGGTGA	180
ACTTCATCCT GTTTTAAAAG GCCAGTTAAA CGNCATGTAA CATNGCAAGG NG	232
(2) INFORMATION FOR SEQ ID NO:1599:	
<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 261 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1599:	
GGNAGAGGTG ACCCTCTGGA ACCTGCNAGG AGCCGGCTCT CCAGGCTGCC CGGCTNANAA	60
GTACCTAAAG CAGGTAGACT TCANCCGCTA TAACTTCTTC CTGTTGGTCT CCCCCCGCCG	120
CTGTGGGGCC GTCAAAACCC GNCTGGGCCG NTGAGAATCC TGTGCCCAGG GCCAAGAAGT	180
TCTNACTTTG TGCGCACCAA GGTGGACGAG GACCTGGCGG CCACGGGCAC CTNGTGGNCC	240
GTGGGGGTTN NAAAAAGGCC G	261
(2) INFORMATION FOR SEQ ID NO:1600:	
<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 534 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1600:	
CCCGGCTGCA GANTCGAGAG CCGGACACCG AGTCGAGNTT TTNAGGACAT GTTANTAGAC	60
ATCAAGGCTT CACCGNTTTC TGCACCAGGC CGTGGTGTAT TNACGCAGAA TGTNACGTGG	120
GATCCTGAGT CTTCCGAATG GGCGGACGAA AGACATGGTC ATCATGCCGG TACTGGTGAG	180
GGACGTCGGC CAAGTCTCAG GGGAGGGAAG TCGAATGGAG GGGGGAGTGT GGAGTCAGTG	240
CAGTGGAGTA CATGTNTTCA GGACAGGGAC GCAGGGATCT GCAGTGGTGG GCAGCAGAGC	300
GAGAGGTGTG TGGTGCATGG CGAGGCAGAA GTGGATTCTG AAGCAGAGTC GAGCAGGAGT	360
CCGGGTCACT GTACATGNCG CCATGGCGAG ACGTGCGTGC CACAAGCCCA GCTGCCNTAG	420

CTCTCGTGGG GTGTGAAGGG GANTGGCGCA GGGTGTNCTG AGGCAGAAGC TGGTCTGAAG	480
GACCTGTCTG AGGCACAATT CGGTGTGTCT CAAGAGTCTC AAGGTNGNTT NGTT	534
(2) INFORMATION FOR SEQ ID NO:1601:	
<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 219 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1601:	
GGCACGAGCT CACCATNTCC ATNAACGTGN TCTACAACTA CCTGGAGGCC AACCCCAAGG	60
TGCCCTGGGA CGATCTCCGN TACCTTTTTG GTGAAATNAT GTATGGNGGC CACATCACAG	. 120
ATGACTGGGA ACCGTCGGCT GTGCAGGACC TACCTGGNTG AATACANCCG GACGGNGATG	180
CTGGAGGGAG ACGTNCTGNT GGCCCCCGGC TTTGCAAAT	219
(2) INFORMATION FOR SEQ ID NO:1602:	
<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 85 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1602:	
ACCAAAGTCC AGCACANACC CTCGGGNCTC ATCANGGCCA GGTAAGCTGA TCCACCTTGN	60
GATCAAGCCG GCCATCCGGA ACCAG	85
(2) INFORMATION FOR SEQ ID NO:1603:	
<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 314 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1603:	
GGCAGAGGTG TGGCGAGGTG GTCCGGGACC ACATCATCAG GGCCCTGGGN CAGGCCTTCC	<b>60</b>
ACCCCTNCTN CTTCACGTGT GTAACCTGCG CNNGGTGCAT TGGGGATGAG AGCTTTGCCC	120
TGGGCAGCCA GAACGAAGGT GTACTGCCTG GACGACTTCT ACAGGNTATT CGCCNCCGTT	180
TGCAGCATCT GTGAAAAATC CCATGCATCC CTCGGGGATG GGGAAAGATG CCTTCAAAAT	240

CGGAATGCAT GGGAAAGAAA CTTNCATGNA AAATTGCTNA CAGGTGTGAA GGNCTGCAAG	300
ATCCTCCNGT CTGT	314
(2) INFORMATION FOR SEQ ID NO:1604:	
<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 273 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
	•
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1604:	
GGCACGAGGG TACNCCATTG CGGCCATGTN TGTNATGCGG CCGGAGCAGA TCATGAAAGT	60
CCATCATCCC AGTGGTCATG GCTGGNATCA GANNCCATCT ACGGCCTGGT GGTGGCAGTC	120
CTCATCGCNA ACTACNCTGA ATGAACGTAC ATCAGCNTCT ACAAGAGCTT CCTCCAGCTG	180
GGNGCCGGCC TGAAGCGTGG GCCTGAAGCG GCCTGGCAGC CGGCTTTGTC ATCGGCATNG	240
TGGGGGAACG CTNGCGTGCG GGNGCACCNC CAG	273
(2) INFORMATION FOR SEQ ID NO:1605:	
<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 401 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1605:	
GGCACGAGAG GTCATCGGGA CCCTGGAGGA GGTCCACATG CCACAGAATG GGAATCAACC	60
ACNOTGGCAT CACTGCCCTG GCCCAGGCTT TCGCTGTCAA CCCCCTGCTG CGGGTCATCA	120
ACCTGAATGA CAACACCTTC ACTGAGAAGG GCGCCGTGGC CATGGCCGAG AACCTTGNAA	180
	240
GACCTTGCGG CAGGTGGAGG TGATTAATTT TGGGGACTGC CTGGTTGCGC TCCAAGGGTG	
CAGTTGCCAT TGCAGATGCC ATCCGCGGCG GCCTTGCCCA AGTTAAAGGA GCTGAACTTG	300
TCATTTCTGT GAAATCAAGA GGGTTGNTGC CCTGGNTGTT TGTTGAGGCC ATGGCAGACA	360
AAGTTNAGTT GGAGAAGTTG GACNTGAATT GGCAACANCC T	401
(2) INFORMATION FOR SEQ ID NO:1606:	~
<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 313 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1606:	
GGCACGAGGT TTGATGAGGG CCGGCTGACA GATGGAAAAG GGAAGACCAT TGATTGCAAG	60
GACGCCATCT TCATCATGAC CTCCAATGTG GCCAGCGACG AGATCGCACA GCACGCGCTG	120
CAGCTGTAGG CAGGAAGCTT TGGAGATGAG CCGTAACCGT ATTGGCCGAA AACCTGNGGG	180
GATGTCCAGA TAAGTGACAA GATCACCATC TCAAAGAACT TCAAGGNGAA TNTGATTCGC	240
CCTATCCTGG AAAGCTTCAC TTCCGGAAGG GATGAGTTTT TNGGGACGGG TNCAATGGAG	300
GTCGTCTNAC TTT	313
(2) INFORMATION FOR SEQ ID NO:1607:	
<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 347 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1607:	
AACAACAGGC TGAACAACCG CGCCAGTTTC AAGGGCTGCA CGGCCTTGCA CTATGCTGTT	60
CTTGCTGATG ACTACCGCAC TGTCAAGGAG CTGCTTGATG GAGGAGCCAA CCCCCTGCAG	120
AGGAATGAAN GNGGACACAC ACCCTTGGAT TATGCCCGAG AAAGGGGNAA GTGATGAAGC	180
TTCTGAGGAC TTCTNAAGCC AAGTACCAAG AGAAGCAGCG GAAGNTGNAG GCTGAGGAGC	240
GGCGCCGCTT CCCCCTGGAG CAGCGACTTA AAGGNGCACA TCATTNGGCC AGGAGAGCGC	300
CATCGNCACA GTGGGTGCTT GCGNTTCCGG AGTAAGNGAG AATGGCT	347
(2) INFORMATION FOR SEQ ID NO:1608:	
<ul><li>(i) SEQUENCE CHARACTERISTICS:</li><li>(A) LENGTH: 352 base pairs</li><li>(B) TYPE: nucleic acid</li><li>(C) STRANDEDNESS: double</li><li>(D) TOPOLOGY: linear</li></ul>	
4 1	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1608:	<b>60</b>
GGCACGAGAG AAGATGCTGC GTATCCAGAA GGAGCACCGC GNCNAACTTC CCACGCTCCA	
AGCACCTGAC AGGCGAGTGC AAGGACCTCA TCTACCACAT GCTGCAGCCN GACGTCAACC	
GGCGGCTCCA CATCGACGAG ATCCTCAGCC ACTGCTGGNA TGCAGCCCAA GGCACGGGGA	. 180

TCTCCCTCTG TGGCCATCAA CAAGGAGGGG GAGAGTTCCC GGGGAATGGA ACCCTTGTGG

ACCCCGAAC CTGGCTCTGA CAAGAAGTCT GCCACCAAGC TGGAGCCTG	A GGGAGAGGCA	300
CAGNNCCAGG CACAGTCTNA GNACAAAACC CGAGGGGACA GCAATGCAA	A TN	352
(2) INFORMATION FOR SEQ ID NO:1609:		
<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 146 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>		
(5) 2020200		
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1609:		
		60
GGCACGAGCC AGGTGCGGGT TGCTGCCCAA GGGGTGCAGG GACAGATGA		60
GCCTTCAGGN ACGACATATG GGGGCCACCA TCGCTTTGTT GGTGGGGAC	A GGGTCCCCCT	120
TTTTTTTTT TTNAANATGG GNTNTT		146
(2) INFORMATION FOR SEQ ID NO:1610:		
<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 419 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	•	
		•
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1610:		
GGCAGAGCTT TGATTAACTT CCGGGAGTTT GTCTCTGGGC TAAGTGCTG	C ATGCCATGGG	. 60
GACCTCACAG AGAAGCTCAA ACTCCTGTAC AAAATGCACG TCTTGCCTG	A GCCATCCTCT	120
GATCAAGATG AACCAGATTC TGCTTTTGAA AGCAACTCAG TACTTCTTT	G AAGATATTAC	180
CCCAGAATGT ACACATGTTG TTGGNATTGG ATAGCAGAAG CAAACAGGG	T GCAGATGATG	240
GCTGTGTTAC GGTGAGCCTA AAGCCAGACA AAGGGAAGAG AGCAATTCC	C ANGAAANTCG	300
TAATTATTTG NGACTGTGGA CTCCAGAAAA TAATCTAAGT CAAGNTGCA	A AGGTTTACCC	360
AANTAAATTC AGGGCATTTC ATTGNACCTT GTTAAGACAT GGTATANCN	G GTTCAGCGA	419
(2) INFORMATION FOR SEQ ID NO:1611:		
(i) SEQUENCE CHARACTERISTICS:  (A) LENGTH: 280 base pairs  (B) TYPE: nucleic acid  (C) STRANDEDNESS: double		

⁽xi) SEQUENCE DESCRIPTION: SEQ ID NO:1611:

GGCANGAGGT GACCTCCGTG GGCTGGTCTG AGCGGGGGAA CCTNGTGGCG GTGGGCACAC	60
ACAAGGGCTT CGTGCAGATC TGGGACGCAN CCGCAGGNAA GAAGCTGTCC ATGTTGGAGG	120
GCCACACGGC AGCGTCGGGG CGCTGGCCTG GGAATGCTGA GCAGCTNTCG TCCGGGAAGC	180
CGCGACCGCA TGATCCTGCA NAGGGACATC CGNACCCCGN CACTGCAGTC GGAGCGGCGG	240
CTTCANGGCC ACCGNCAGGA TGTGTGCGGG CTCAAGTGGT	280
(2) INFORMATION FOR SEQ ID NO:1612:	
<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 380 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1612:	
NTGGTTNCCC CGGGCTGCAG TANTGGGCAG AGTGAAAGGT GCCTGNGGNG CAGCAGCACC	60
TGCTTTTCCG TGGCCAGCTC CTGGAGGATG ACAAGCACCT CTNTGACTAC TGCATTGGGC	120
CCAATGCCTC TATCAATGTC ATCATGCAGC CCTTGGNGAA GATGGCGCTA AAGGAGGCCC	180
ACCAGCCGCA GACCCAGCCC CTGTGGCACC AGCTGGGACT GGTCCTAGCT AAACACTTTG	240
AACCACAGGA TGCCAAGGCC GTGCTGCAGC TGCTAAGGCA GGAGCACGAG GAGCGCCTGC	300
AGAAGNTTAA GCCTGGAGCA CCTGGAGCAG CTGGNCCCAG TACCTNCTGG CAGAGGAGCC	360
TCACGTGGGA GCCCANTING	380
(2) INFORMATION FOR SEQ ID NO:1613:	
<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 301 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1613:	
GGCACGAGGG GTTCTGCAAA GCGGGNCTGT CTGGGGGAGTT TNGACCCCGG CACATGGTCA	60
GCTCCATCGT GGGGCACCTG GAAATTCCAG GNTCCCTCAG CAGAGGCCCA ACCAGAAGAA	120
GTACTTTNTG GGGGAGGAG CCCTGTACAA GCAGGAGGCC CTGCAGCTGC ACTCCCCTTT	180
CGAGCGTGGC CTGATCACAG GGTGGGATGA CGTGGAGAGA CTNTGGAAGC ACCTNTTTGA	240
GTGGGAGCTA AGGCGTGAAN CCAGCGACCA GNCCCTGNTT TGCAACGGAG CCCTCCCTGG	300

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<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 221 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1614:	
GGCACGAGCG GCGCTGCAC GCTGTGGCCC GGCNCCAGCG CTGTAGGCCT GTGGCAAGAC	60
CTTCCGCTAC CGCTCCAACC TGCTGGAGCA CCAGGAACTG CACCTGGGCG AGCGCGCCTA	120
CCGCTGTGAA GCACTGCGGG CAAGGGCTTC TTCTACCTGA GCTCCGTGCT GCGCCACCAG	180
CGCGCCCATG AAGCCGCCGN GGNCCGAGCT NNCGNTGCCC C	221
(2) INFORMATION FOR SEQ ID NO:1615:	
<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 213 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1615:	
GGCACGAGGG AAACCTGCAC GACAACCTGT NGGACCTNCG TGCCCAGGTG GCAGCCAACC	60
GGCACGAGGG AAACCTGCAC GACAACCTGT NGGACCTNCG TGCCCAGGTG GCAGCCAACC AGAAGGGCAT CCAGCTGGTG GGGGAGCTCA TTGGGCAGTA CGGCCTGGAA CGTGGTGCAG	60 120
AGAAGGGCAT CCAGCTGGTG GGGGAGCTCA TTGGGCAGTA CGGCCTGGAA CGTGGTGCAG	120
AGAAGGCAT CCAGCTGGTG GGGGAGCTCA TTGGGCAGTA CGGCCTGGAA CGTGGTGCAG GCCTGACATG GGCCATATTC AGGNAAACGC TGCAGCTGGA CCGTGCGNAG ACATGTTGCG	120 180
AGAAGGCAT CCAGCTGGTG GGGGAGCTCA TTGGGCAGTA CGGCCTGGAA CGTGGTGCAG GCCTGACATG GGCCATATTC AGGNAAACGC TGCAGCTGGA CCGTGCGNAG ACATGTTGCG TGCCTTTTGT AACCTTCCCG GCAGGNNCCG NGG	120 180
AGAAGGCAT CCAGCTGGTG GGGGAGCTCA TTGGGCAGTA CGGCCTGAA CGTGGTGCAG GCCTGACATG GGCCATATTC AGGNAAACGC TGCAGCTGGA CCGTGCGNAG ACATGTTGCG TGCCTTTTGT AACCTTCCCG GCAGGNNCCG NGG  (2) INFORMATION FOR SEQ ID NO:1616:  (i) SEQUENCE CHARACTERISTICS:  (A) LENGTH: 313 base pairs  (B) TYPE: nucleic acid  (C) STRANDEDNESS: double  (D) TOPOLOGY: linear	120 180
AGAAGGCAT CCAGCTGGTG GGGGAGCTCA TTGGGCAGTA CGGCCTGGAA CGTGGTGCAG GCCTGACATG GGCCATATTC AGGNAAACGC TGCAGCTGGA CCGTGCGNAG ACATGTTGCG TGCCTTTTGT AACCTTCCCG GCAGGNNCCG NGG  (2) INFORMATION FOR SEQ ID NO:1616:  (i) SEQUENCE CHARACTERISTICS:  (A) LENGTH: 313 base pairs  (B) TYPE: nucleic acid  (C) STRANDEDNESS: double	120 180 213
AGAAGGCAT CCAGCTGGTG GGGGAGCTCA TTGGGCAGTA CGGCCTGGAA CGTGGTGCAG GCCTGACATG GGCCATATTC AGGNAAACGC TGCAGCTGGA CCGTGCGNAG ACATGTTGCG TGCCTTTTGT AACCTTCCCG GCAGGNNCCG NGG  (2) INFORMATION FOR SEQ ID NO:1616:  (i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 313 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: double (D) TOPOLOGY: linear  (xi) SEQUENCE DESCRIPTION: SEQ ID NO:1616:  GGCACGAGGT CAATCTCACG GGGTTGAAGA AGCGGGACCG CTGCGNAAGG CCTGGCCTTT	120 180
AGAAGGCAT CCAGCTGGTG GGGGAGCTCA TTGGGCAGTA CGGCCTGGAA CGTGGTGCAG GCCTGACATG GGCCATATTC AGGNAAACGC TGCAGCTGGA CCGTGCGNAG ACATGTTGCG TGCCTTTTGT AACCTTCCCG GCAGGNNCCG NGG  (2) INFORMATION FOR SEQ ID NO:1616:  (i) SEQUENCE CHARACTERISTICS:  (A) LENGTH: 313 base pairs  (B) TYPE: nucleic acid  (C) STRANDEDNESS: double  (D) TOPOLOGY: linear  (xi) SEQUENCE DESCRIPTION: SEQ ID NO:1616:	120 180 213

GCTGTGGGCG CCTCCAACCC TGAGCGCCTA TGTCTCCCAC CTCCCCGTCC ATCAGGAGNC

TTCTTGCAAC GGCCTGCAGC ATTATGCTGT NCTNGGCCGC GGACANTGGG GGCGCCGNCT	300
CCGTTCAACC TGG	313
(2) INFORMATION FOR SEQ ID NO:1617:	
<ul><li>(i) SEQUENCE CHARACTERISTICS:</li><li>(A) LENGTH: 55 base pairs</li><li>(B) TYPE: nucleic acid</li><li>(C) STRANDEDNESS: double</li><li>(D) TOPOLOGY: linear</li></ul>	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1617:	
GGCACGAGGN AAGAGTGTAA GCCCTGCCTG AAACAGACCT GCATGNAGTN CTACG	55
(2) INFORMATION FOR SEQ ID NO:1618:	
<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 321 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1618:	
AACGGCCTNC ACNGACGGNA TCGGNTTNGC CATCGCCCGG NGTTTGGCCC AGGACAGGGC	60
CCACGTGGTC GTNAGCAGCC GGAAGCAGCA GAATNTGGAC CAGGCGGTGG CCACGCTGCA	120
GGGGGAGGGG CTGAGCGTGA ACGGGCACTG TTTCATNNTG GGGAAGGCGG AGGNACCGGG	180
AAGCGGCTNG TGGCCATGGC TGTGAAAGTT TCATGGAGGT ATCGATATCC TAGTCTCCAA	240
TGCTGCTGTG CAACCCTTTT TTTGGAAGNC TAATGGGATG TNNACCGNAG GAGGTNTTGG	300
GGACAAGATT TTTGGGACAT T	321
(2) INFORMATION FOR SEQ ID NO:1619:	
<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 445 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1619:	
AGGTACACAG ACACACGTTA TTACATATGT GCACATGCAT GCATATGCAA ATATGCACAG	60
TACACAGACT GCACAGAGCT CCACAGACAT ACACTTGCAC CTTCGGGTTT AAGCCCTGAG	120
CARAMMERICA MOCCOMOMOM MOMBOMOCRE REMEMBERCA CMCCCARCCA MCCCCCMCCC	100

TGTGGTAAAT GTTTNTNGAG TCAGTGAATG CATGGNTGGC TCGAACCGTG TCTTGACTCA	240
GCAACACCGG GNCCAGTGGG GTCTGGAGGT GAGGTTCAGG AGACAGTCAG CCCTCTGCTT	300
TTGCTGGAGA CTGGGGAACA CCTTTAGGGA CATTTCAGAG GAAGGACAGT TGCAGGNACA	360
ACTTTGGTCT AGCAAATCAC AAGNCTGGGT TGAGGNCTCA GGATTTCCTT GTACCGTGTT	420
NCTTTTCCAA TTTGCCCAGA GNTAG	445
(2) INFORMATION FOR SEQ ID NO:1620:	
<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 474 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	

## (xi) SEQUENCE DESCRIPTION: SEQ ID NO:1620:

GGCACGAGCC AAGGGTGAGC GCCATGGCTC AGCAGCCGAA CGACTTCTGG CAGCTCAGAA 60 CCCGCTCTCC CAGGCTGATC GCCCTCATCA GCTGTTTGCA GATGCACCTC CTCCACCCTC 120 TGCTCCCAAT CCTGTGGTAT CATCATTGGG GTCTGGGCTT CCTCCACCAG GCATGCCTCC 180 TCCTGGCTCC TTCCCACCCC CAGTGCCACC TNCTGGAGCC CTCCCACCTG GGNATACCCN 240 CAGCCATGNC CCCAACAACT ATGGCTNCTG GGGCTGNAGG ACATGGCCCC CCATNGGCAG 300 GNACCCCAGG GTAGGACATT CTGGTNANTG GGCATTNANA ANTTNAACNA TTTNCAACGG 360 GTGGGATNNC CCCNTTCAGG GGTNTTTTAA ATGGAAATTT GAAAAAAATG GGGCTTTAAG 420 474 GTTTTGGGGA ATNCCAAGGT TGGGACCCCA GTTTTGGGGG GNNAATNAAT GGTC

## (2) INFORMATION FOR SEQ ID NO:1621:

- (i) SEQUENCE CHARACTERISTICS:
  - (A) LENGTH: 333 base pairs
  - (B) TYPE: nucleic acid
  - (C) STRANDEDNESS: double
  - (D) TOPOLOGY: linear

## (xi) SEQUENCE DESCRIPTION: SEQ ID NO:1621:

AAGCTGGGCT TACAGGATGG AAAAGAATAT TTATTCCAGG CCAAGGATGA GGCAGAGATG 60
AGCTCGTGGC TACGGGTGGT GAATGCAGCC ATTGCCACAG CGTCTTCTGC CTCTGGAGAG 120
CCTGAAGAGC CGGTGGTGCC CAGCACNCGN NGGGTCATGA CCCGGGNCAT GACCATGCCN 180
NCAGTGTCAC CCGTCGGGGC TGAGGGGCCT GTTGTGCTCC GCAGCAAAGA CGCCAGAGAA 240
CGAGAGCGAG AAAAACGCTT CAGCTTTCTT TAAGGAAGAA CAATAGTTNG GGGCAAGTTC 300

CAGGNCAATT CCTTCCTTNN GTTCAGGAAA NTT	333
(2) INFORMATION FOR SEQ ID NO:1622:	
<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 269 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1622:	
GCTGCGCTCC TCCGAACCTG CCTGCACGCA GCCTGGGTTC CAGGATCTGG AGGTCGTGCC	60
CCCAAAACCA CAGCCGAGGC CTACCACGNG GGCATGTGCA GCCGGGAACG GTCGGGTTAC	120
AGCGAAGCCT TCATGCAGGG CCAGTTGCGG GTGGTGGTGG CCACGGTGGC CTTTNGGATG	180
GGGCTGGACC GGTCAGATGT GCGGGGTGTN CTGCATCTGG GGGTTGCCCC CAAGNTTCGA	240
GAGCTACGTN CANGCCGTGG GCGTGACCG	269
(2) INFORMATION FOR SEQ ID NO:1623:	
<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 302 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	·
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1623:	
CATGCCCTCC CCGGNTATGA GGCGGGCCGT GCTGGAGACC AAACAGAGCC TTGAGGCTGC	60
GGGGCACACG TGGTTCCCTT CTTGCCAAGC AACATACCCC ATGCTCTGGA GACCCTGTCA	120
ACAGTGGGCT CTTCAGTGAA TGGTGGCCAC ACTTGCCTAC AGAACTTCAA AGGTGATTTC	180
GTGGACCCCT GCCTGGGGGN ACCTGGTCTC AATTCTGNAA GCTTCCCCAA GGCTTAAAGG	240
TATGCTGGCC TTCCTGGTTG AAGCTNCTGC TGCCANGGCT GTCCAGTTTN NCTCAGCAAC	300
AT	302
(2) INFORMATION FOR SEQ ID NO:1624:	
<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 361 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	

GGCANAGGGA GGCTCAGTCT GTAAGTGAAG CAGGGCGNTC TCCCCGATAT CTGCATCGGA	60
CGCGCCCTCT AGTGGAAACC GAGAGTNAAG CGGCCTGGAT TCCGCGATGA ACAGATTCTT	120
TTGTGTCGCT GGGAACACTG GAGGGTTGTC GTTAATGTCC TTCACCTCCA CGTCCACATG	180
GGAAAACCTG CAGCGGCCTT TCCACGATCA CCTCCAGGNG GATGCTGCAC TCCGCGCTCC	240
GCCCGCACAG CTCCTCGCGG TCGATCCGAG AATTCACAAA CAAAATGCCA TTCTGGCAGA	300
TTTACCTCCA GAAGGTCCCC GGGGNCTTTT GGGATTCCAA TTGGAACAGN GNNGGGCANC	360
A	361
(2) INFORMATION FOR SEQ ID NO:1625:	
<ul> <li>(i) SEQUENCE CHARACTERISTICS: <ul> <li>(A) LENGTH: 495 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul> </li> <li>(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1625:</li> </ul>	
GGCACGAGGA AGGAACTCAC TCTGGGGGCC TCACAGGCCA CCACGGACGA GGTAGCTGCC	60
TTCTTCGTGG CTGANCTGGG TGCCATAGTG AGGAAGCACT TTTNCTTTCT NAAGTGCCTG	120
CCACGAGTCC GGCCCTTTNA TGCTGTCAAG TGCAACAGCA GCCCAGGTGT GCTGAAGGTT	180
CTGGCCCAGC TGGGGCTGGG CTTTAGCTGT GCCAACAAGA TTGCTTCCGT NATCAACTCA	240
GCCTTGGACC TGTACTTCCC ANAAGGGCTG TGGGCGTGGG ACATCTTTGG CTTGAGCTTG	300
GGGCGGTTAC TNACGTGNAC CTNGGCCTNT NACTGGTGGG CAGTTCAGCA TTCATTGCCA	360
AAGAAAGGGA GGTTCTTGNT TAGACCAGGN CTNGGNAGGG GAGGAGGAAA ATGGTTCCAN	420
CTTCCAAAGA CCATCGTTGT ACCACCTTGG ATGGAGGGGC GTGTATTNGG ATCTTTCAAA	480
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# (2) INFORMATION FOR SEQ ID NO:1626:

CTTCNAGTCC CTGGT

- (i) SEQUENCE CHARACTERISTICS:
  - (A) LENGTH: 375 base pairs
  - (B) TYPE: nucleic acid
  - (C) STRANDEDNESS: double
  - (D) TOPOLOGY: linear

# (xi) SEQUENCE DESCRIPTION: SEQ ID NO:1626:

GGCACGAGGC CAGCAGTGG	TGGAAGCCAC	TGGCGTACTC	TGACACCGAC	GAATTTNACC	60
CAGTTGCAGG AGGCACAAT	AGCCAGCATT	TACCTTTGGT	CGCCGCACAG	CCCGGCATCT	120

GGATGGCAGA AAAACTGTCA GAATTACCCT CCGCCTGGAG CGTGC	GCGCAT TACGTTGAGT 180
TAACCGGAGA GGTTGATTCG CCATTACTGG CCCGCGCGGT GGTTC	GCCGGA CTAGCGCAAC 240
AGATACGCTG CGGATGCGTT TTAACGGAAG GATTAACGGC GAAG	TCTTGG CAGTGGGTCG 300
ATGATGCGCT GNACGTTNCG AACTNGCCAG AAATTNATCG ACCTA	ACGGAA CCAACATTTG 360
ATCCGCACGG TACTN	375
(2) INFORMATION FOR SEQ ID NO:1627:	
<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 347 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1627:	
GGCACGAGAA AGAGATGACC CCAGGGAACA TCCTGACCAG GCCG	GNTTCC TGGATGGCTG 60
TNTTCAATGC CATGCCCACC ATCTGCTTCG GAATTTNAGT GCCA	
GTNTTCAACA GCATGGCAGC AGCCTGAAGT GAAGACCTGG GGTGG	
	•
CCATGGTCAT AGCCCTCGCT GTCTACATGG GGTGCAGGCA TCTT	
TGGNAGCTGC TGTGGGTCCT GACGTGCTC CTGGTGCTAT CCCT	
TGGCCGTTGC CCGAGNCTTT CAGCATCCTG AGCGTNGCTC ANCT	CNT 347
(2) INFORMATION FOR SEQ ID NO:1628:	
<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 425 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1628:	
GGCACGAGGC GCCGGTAAAA TCGACCACAA AGGCGATAGT ACCG	TCAGGC TGGCGAATCA 60
GGTTCGACTG CTTCACATCC CCCGTTGAAC GACGCGTTTN TTGC	ACCCAT GCGTTATCTG 120
GCGCATGCAG TTTGTTTTCA TCACGGCTGA AGGTGATGGT GTAT	TTAAAG TTCATCTCTT 180
TACCCGGCTC CGGCAGCTGA TCCGGCGTCC AGTAAGCGAC GATG	TTATCG TTGGTTTCAT 240
CGTTGGTTGG AATTTCCACC AGCTCAACGC TGCCTTTACC CCAC	TCCCCT TTCGGAGTCA 300

CCCATGCGGT TGGGACGGAG NATCGTAAAC GATCATCGAG ATCTTTCAAA GCGGGAGAAA

ATCACGACCC GNGTTGCAAC AGACCCAAAG NCTTGNGGGG TTTTTNCCAT GGGAGNAAGT

360

TGTTT	425
(2) INFORMATION FOR SEQ ID NO:1629:	
<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 397 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1629:	
GGCACGAGCT TTGCTCCCAC CCCACCCCCA ACCCACAACC CCTGCCTCTG CCCATCAGCC	60
TGGCCTTGAT GAGGAGCGGG AAGGCCTCCT GCACCCTGGA GACCGTGTGG GAAGACAAGC	120
ACAAGTATGA GGAGGCCGAG CGGCGCTTCT ACGAACACGA GGCCACACAG GCGGCCGCCT	180
CCGCCCAGCA GCTGCCAGCC GAGGGGCCAG CCATGAATGG GCCCGGCCAG GACGACCCTN	240
AGGACGCTGA TGAGGCGGAA GCCCCTNACG GCGGCAGCAG GCGTNGATCC CAGGAAGAGC	300
CAGGACAGCA GGAAGCCCCT NCAGAAAAAG NAGGAAGCGT TCCCCCAAGA GCGGGTTNGG	360
CCCCGNGGGA CCTGGCCTTN TTGGCTTTTT GGCCGAA	397
(2) INFORMATION FOR SEQ ID NO:1630:	
<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 501 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1630:	
GGCACGAGGC GGCTGTCGCT NAGCCCACTG CGGGGCGGG AGGCCGGGCC ANACGCCTCA	60
CCCACAGTNA CCACACCCAC GGTGACCACG CCCTCACTAC CCGCAGAGGT GGGCTTCCCG	120
CACTCGACCG AGGTGGACGA GTCCCTGTNG GTNTCCTTTN AGCAGGTNNT GCCGCCATCC	180
GCCCCCACCA GTAAAGCTGG GCTGAGCCTC CNGCTGCNTG GCCCCCGGGC GCGGCGNTCG	240
GTTTCCCCAC ACGATGTGGA CCTNTGCCTG GTGTNACCCT GTNAATTTNA AGCATCGCAA	300
GGTGGTGCCA ATGGCACGNC AACCTGNTTT CCCCCGGNAG CTTCGNAATG AANAGCANTN	360
CCCGGTTCAC AGGAACGGGG CAGGTGGGCT GGGGGCCGAG NAGACGCCAC CCACATTCGG	420
TTCAGCAATT CCCTGCCCAA CCTGTTTGAN TTGGATCCNG TTGCCCTNGN CCCGGTTGCG	480
GNANANTTAG ACGGAGACAA A	501
(2) INFORMATION FOR SEQ ID NO:1631:	

<ul><li>(i) SEQUENCE CHARACTERISTICS:</li><li>(A) LENGTH: 214 base pairs</li><li>(B) TYPE: nucleic acid</li><li>(C) STRANDEDNESS: double</li><li>(D) TOPOLOGY: linear</li></ul>	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1631:	
GGGGCAAGAG TATNCCCTCA TGGGGNCAAA TTGGCACCCC TTTGC	GGTTGG NCTTNCAAAG 60
GGTTTCCAGG GGCCCAGGGT CCCTATTTAC TNTGGGTGTG GGGAC	GCANAC AGAGGCTTTG 120
GGCAAGGGGN CCATCGTGGG AGGGCCCCTT TAACCGGGGC CTNCT	TTTTT ATTNTTNGGG 180
TTCAAAANTT GGGGGGGGC TAATTTCCGG GGGT	214
(2) INFORMATION FOR SEQ ID NO:1632:	-
<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 356 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1632:	
GGCAGAGNCA TACCAAGAAG ACGGTGATGA TCAAAACCAT CGAGA	AACACG GGATGGGGAG 60
GTCGTNAGTN AAGGCCACAC AGCAGCAGCA TGAAGTCTCC TAAAC	
NACCAGAAAC CGTTCCTCAC CCCTGTTCCT CACTGGCTCC CTGAA	
TCCCAGGGAC ACCACACCCA GCCTTCANTC CTCCCCTNAN AGCCT	rctgaa cccctcctna 240
TTGGGCCATC CCTNGTGGTC CCCAACAGCG ACATAGCCCA TCCTT	TGNTTG GTTCACGGGG 300
CATGGTCCCG GNCACCTTTG NGGGNNCCTA GTTGTTAAGC TTTTC	GGGTGT TTGGGA 356
(2) INFORMATION FOR SEQ ID NO:1633:	
<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 352 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1633:	
GGCAGAGGGA ACAACTCCAT GTTTTTNTAA AGGCCTAGAG AACAT	PATATC CAGTGCCTTT 60
CCTTTTTGCC TTTGTATTCA TCATTTTGGC AAATTACTGG AAGAT	TGACGG TTCTGGCCAA 120

AAGGCTGGTT TTNTTTTTGG GTCACATTTT CTTGCTTCTC TGCGTTAGAA ATCTTGGATT

AGATGATGGA CATGGTGAAG ATCTCAGCAA CCTCATTCAC TAGAA	GATCA TGTGGATTGG 240	
GANTCATACA ATGGGGGAAC AAATGGAAAA GAGTACTTTT GNAAA	TAGTG GCTGGGNGAC 300	
CACTGTGGAC CACAGANTGT TCAAGACACG TGCTGCCCNT AACTG	TTTAC TN 352	
(2) INFORMATION FOR SEQ ID NO:1634:	•	
<ul><li>(i) SEQUENCE CHARACTERISTICS:</li><li>(A) LENGTH: 377 base pairs</li><li>(B) TYPE: nucleic acid</li><li>(C) STRANDEDNESS: double</li><li>(D) TOPOLOGY: linear</li></ul>		
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1634:		
GGCACGAGCT GGCCCCGTGT TCAAGGGCGT CTGTAAGCAG TTCTC	ACGCT CACAGGGCCA 60	
TGGCTTCATC ACCCCCGAGA ACGGGTCCGA GGACATCTTC GTACA	TGTTT NTGACATCGA 120	
GGGGGAGTAC GTGCCANTGG AGGGCGACGA GGTGACCTAC AAGAT	GTGCC CTATCCCTCC 180	
CAAGAACCAG AAGTTCCAGG CCGTGGAGGT GGTGCTCANT CAGCT	GGCCC CCCACACTCC 240	
CCACGNAGAC GTGGTTCTGG CCAGGTCGTG GGCTCCTAGG CTGAG	STGGTT CACAGGCCAG 300	
CTGGCCGNGG GTTGGGNGAG CCACACAGGG TGAACGGNCA GCAGC	CCGCCT CCATGCCCCA 360	
CTGCCTNGNT GATGAGT	377	
(2) INFORMATION FOR SEQ ID NO:1635:		
<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 476 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>		
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1635:		
GGCACGAGGN AGAATCTTGC CTAGAGCTTG CGGAGTCCAG CNAGC	GCCCCT NCTGAAGGGC 60	
CCCAAACCAC CGGCCACTTC TCCCCCGTCC ATCTAACCAG CTGGC	GCCCCT GCGCCCACCT 120	
GGCCTCCACG TTCCCTCTCC TCTAACCCAC ACCCCTGGCC ATGGC	CTAACT ACTATAAAGT 180	
GCTGGGNGTG CAGGCCAGCG CTTCCCCGGA GGACATCAAG AAAGC	CCTACC GCAAGCTGGC 240	
CCTTCGTTGG CACCCCGACA AGAACCCTGA CAATAAGGAG GAGGC	CGGAGG AAGAAGTTCA 300	
AGCTTGGTGT TTTGAGGCCT ATTAAGGTTT CTGTTNTGGA CTTCC	CAAGGA AACGNTTCCT 360	
TGTTATGACC GTGTTGGGTT GTAAACAGTT GGGGGGTTTG TTTG	GCGGGG GCCAGGAANG 420	

GTNTTACCAA AGGCCCTTTT GGGAAACGGG TTANAANTTT CGTAAACCTT TNGGGG

## (2) INFORMATION FOR SEQ ID NO:1636:

## (i) SEQUENCE CHARACTERISTICS:

- (A) LENGTH: 436 base pairs
- (B) TYPE: nucleic acid
- (C) STRANDEDNESS: double
- (D) TOPOLOGY: linear

#### (xi) SEQUENCE DESCRIPTION: SEQ ID NO:1636:

TGCCTACTCT	AAGCGCCTCA	AGTTCAATGT	GGCTGTNAAG	ATCATCGACC	GCAAGAAAAC	60
ACCTACTGAC	TTTNTGGAGA	GATTCCTTCC	TCGGGAGATG	GACATCCTGG	CAACTNTCAA	120
CCACGGCTCC	ATCATCAAGA	CTTACGAGAA	TCTTTGAGAA	CCTCTGAACG	GACGGATCTA	180
CATCATCATG	GAGCTTGGCG	TCCAGGGCGA	CCTCCTCGAG	TTCATCAAGT	GCCAGGGAAG	. 240
CCCTGCATGA	GGACGTGGCA	CGCAAGATGT	TCCGACAGCT	CTCCTCCGNC	GTTCAAGTAC	300
TGNCACGACC	TGGGACATTG	TTCACCGGGG	ACCTTCAAGT	TGCGNAGAAC	CTTTTTCTTG	360
GACAAGGANT	TTCAACNTCA	AGTTGTCTGA	CTTTGGGTTT	TTCCAGGGGT	TGCCTNGGGG	420
ACAGAATTGG	GGGTNT					436

#### (2) INFORMATION FOR SEQ ID NO:1637:

#### (i) SEQUENCE CHARACTERISTICS:

- (A) LENGTH: 408 base pairs
- (B) TYPE: nucleic acid
- (C) STRANDEDNESS: double
- (D) TOPOLOGY: linear

## (xi) SEQUENCE DESCRIPTION: SEQ ID NO:1637:

CGCACTGTCA	AGGAGCTGCT	TGATGGAGGA	GCCAACCCCC	TGCAGAGGAA	TGAAATGTGA	60
CACACACCCT	TGGATTATNC	CCGANAAGGG	GAAGTNATGA	AGCTTCTAAG	GACTTCTGAA	120
GCCAAGTACC	AAGAGAAGCA	GCGGAAGTTN	GAGGCTGAGG	AGCGGCGCCG	CTTCCCCCTG	180
GAGCAGCGAC	TAAAGGAGCA	CATCATTGGC	CAGGAGAGCG	CCATCGCCAC	ANTGGGTGCT	240
GCGATCCGGA	GGAAGGAGAA	TGGCTGGTAC	GATGGAAGGA	ACACCCTCTG	GTCTTTCCTC	300
TTTCTTTGGG	GATTCATTCT	GGAATTAGGG	AAAAACCAGA	GCTGGGCCAA	GCCAGACAGC	360
CAATTNTTTN	GCACAAGGNT	GCTTAAAAAG	GGNTTTNATT	CAGGTTGG		408

## (2) INFORMATION FOR SEQ ID NO:1638:

## (i) SEQUENCE CHARACTERISTICS:

- (A) LENGTH: 458 base pairs
- (B) TYPE: nucleic acid

(C) STRANDEDNESS: double
(D) TOPOLOGY: linear

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1638: 60 ATAATGTNAC GTCAGCCGTA GAAGGCATCA ACAGAATGAC CAGAGCTCTC ATGGACTCGC TTGGGCCTGA GTGGCGCCTG AAGCTGCCCT CAATCCCCTT GGTGCCTGTT TCAGCTCAGA 120 AGAGGTGGAA TTCCTTGCCT TCGGAGAACC ACAAAGAGAT GGCTAAAAGC AAATCCAAAG 180 AAACCACAGC TACAAAGAAC AGAGTGCCTT CTGCTGGGGGA TGTGGAGAAA GCCAGAGTTC 240 TGAAGGAAGG AAGGCAATGA GCTTGTAAAG AAGGGAAACC ATAAGAAAGC TATTGAGGAA 300 GTACAGTGGA AAGCCTCTTG TGTAGTTAAC CTGGGATTCT TGCCACGTTA CAGGCAACAG 360 AGGCACTTTG TTATTTTGGT CCCTGAAGGC AGTAACACAG AAGNCAGTGA NGGACTGCAC 420 458 ANAGGCCCTG AAGGTNGGNT TGGAAAGACC TTTAAGGG (2) INFORMATION FOR SEQ ID NO:1639: (i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 332 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: double (D) TOPOLOGY: linear (xi) SEQUENCE DESCRIPTION: SEQ ID NO:1639: 60 CCCGAGGNAT TATTCGATAA AGATAAGCTT ACATTATGAA GAGCAGCATA TTACAGCCGT ATGGTCTACT TGCNCAGTAA AATTTGAAGA GCATTGGAAG CCTGTTGATG TAGAGGTCGA 120 GTTTAGATGC AAGTTCCAAG GAGCGAAAGG TGGATGGGTA GGTTATATAG GGATATAGCA 180 CAGAGATATA TAGCAAAGAG ATACTTTTGA GCCAATGTTT GTGGAAGCGG TATTCGCAAT 240 ATTTTAAGTA GCTCGTTACA GTCCGGTGCG TTTTTGGTTT TTTGNAAATG CCNNTTTCCA 300 332 AAGCCTTTTG GGTTTTCCAA AGGNTTTTNG GT (2) INFORMATION FOR SEQ ID NO:1640: (i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 260 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: double (D) TOPOLOGY: linear

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1640:

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TGGAATGAAA ACCCACAGGG CGTGTGGTAC CCTGGGCCTA GAGAACAAGG GCTTACTATT	120
TNAACACGGG GACGTTGTAC CGCTAACACG CTGCTGCTCC TATGGGAACG GCCGAGGACA	180
TGANAGCGCC GGCCTTACAG GCCCCCCAGG TGAACCAGCA NCGGTNNTTT GCAACGGGAC	240
ACAGAGGGC TTNTCCCAGG	260
(2) INFORMATION FOR SEQ ID NO:1641:	
<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 445 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	· .
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1641:	,
TCCTCACCAA TNTAACCNTT NTCCANTTGC TGCAACACCG TGCCCCGGTA ACCAGAGCAC	60
CGCCCCACC TGAGCCCTAA GGNTGAAGTA GAGCCCCAGC NACAACCAGA GCCCACACCA	120
NTTAAGGGAG GAAATAAAGC CACCACCGNC ACCACTGCTT CCTNACCCCG NTAACTCCTC	180
CTCCTAAGAT TGGTGTCTGT GAGCCCGGGA AGCTGACTGT GGGCATCANT GGTTTTGGAA	240
CGCATCGNTC GCCTGGTTCC TGNGAGGTTG CNTGGNGGAA GGGTGTTAAG GTGGTGGTTG	300
TGAAATGATT CCTTTCATTG GACCCGGATT ACNGGTGTAC NGTTTAAGTT TGGTTTCCAC	360.
CCAGGGCCGT TACAAGGGAG TTTGGGATTT CAGGATTGGN CAATTGGTTN TGGGCAACCT	420
GGGTTTTTT TTTCCCNTGN AANGG	445
(2) INFORMATION FOR SEQ ID NO:1642:	•
(i) SEQUENCE CHARACTERISTICS:  (A) LENGTH: 502 base pairs  (B) TYPE: nucleic acid  (C) STRANDEDNESS: double  (D) TOPOLOGY: linear	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1642:	
GGCAGAGTGT AAAACCAGAA AATATANTAA TAAAGGATGT CCTGAAATTA GGGGACTTTG	60
GCTCCTGCCG GAGTGTCTAT TCCAAGCAGC CGTACACGGG AATACATCTC CACCCGCTGG	120
TACCGGGCCC CGAGTGTCTC CTCACTGAAT GGGTTCTACA CGTACAAGAT GGACCTGTGG	180
AGCGCCGGCT GTGTGTTCTA CGAGATCGCC AGTNTGCAGC CCCTCTTTCC TGGAGTNAAA	240
TGAAACTGGA CCAAATCTGC AAAAATCCAC GATGTNCATC GGCACACCCG NTTCAGAAGA	300

TCCTGCACCA AGTTCCAAAC AGTTCGAGGA GCTATGGAAT TTTGGATTTT TCCTTTTGAA

<ul><li>(i) SEQUENCE CHARACTERISTICS:</li><li>(A) LENGTH: 345 base pairs</li><li>(B) TYPE: nucleic acid</li><li>(C) STRANDEDNESS: double</li></ul>	
(D) TOPOLOGY: linear	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1659:	
GGCACGAGCC AGTTTTCTGT TGCCCTTACC AATTCTGGAG CTGTTTATAC CTGGGGCAAA	60
GGCGATTATC ACAGGTTGGG CCATGGATCA GATGACCATG TTCGAAGGCC TCGGCAGGTC	120
CAAGGGTTGC AGGGGAAGAA AGTNATCGCC ATCGCCAATG GCTCCCTGCA CTGTGTGTGN	180
TGCACAGAGG ATGGTGNGGT TTATACATGG GGCGACAATG AATGAGGGAC AANTGGGAGG	240
ACGGAACCAC CATTGCCATA CAGAAGGCCT CGGTTGGTAG CTGCCCTTNC AGGGTNAAGA	. 300
AAGGTNAAAC CGTGTGGNCC TGTGGGTTCA GCACATNACC CTTCG	345 [.]
(2) INFORMATION FOR SEQ ID NO:1660:	
<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 113 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
	•
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1660:	
ANGCAACGGA CAGGCCCCTG GAACGAAAGG CATNCCCGNG CCAAGGTGGC TCCCCTAGAG	60
GTNACAAGTC TTAGGCATTN CGGTCGGGAA ACGCTACCTG CCTGGAGNTC ACT	113
(2) INFORMATION FOR SEQ ID NO:1661:	
<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 134 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1661:	
CCCNGNGGAT CCCCCGGCCC TGCAGGANTT CGGCANAGTT CTGGTTGGTA CAAACCCACG	60
GTTTTTGAGG CACCACTGTT TAATGCTAGG NTTCGAAAGA CCTNGCTNGC ATAATGGNCT	120
TAAAATTGGG CCTT	134
(2) INFORMATION FOR SEQ ID NO:1662:	

(i) SEQUENCE CHARACTERISTICS:

<ul><li>(A) LENGTH: 333 base pairs</li><li>(B) TYPE: nucleic acid</li><li>(C) STRANDEDNESS: double</li><li>(D) TOPOLOGY: linear</li></ul>	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1662:	
GGAAGCCCCA GCGCATTNCT TTTCNTCCTG CTACTCTGGT TCCCAGATAT AACTGGNGAA	60
ATAGTGATGA CGCATTNGCA GTCACCCTGT CTGTTTCGCT AGGTGAAAGA GTCACCCTCT	120
CCTGCGGGGC CAGTGAAGAG TATTAGCACT AACTTAGCCT GGTACCAGCA GGAAACCTGG	180
CCAGGCTCCC CGANCTCCTG CATCTATGCT GCATCCACCA GGGNNCACTG GNCATCCCAG	240
CCAGGTTNCA GTGGCAGTGG GTTTTGGGGA CAANTTGCAC TCTTCACCAG CAGCAGCCTG	300
CAGTTTNGAA GNTTTGGGGG GTCTNATTAC TGT	. 333
(2) INFORMATION FOR SEQ ID NO:1663:	-
<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 120 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1663:	
TCCCAGATCC AGGANTTTAA GGGAGGGTTT NAACATGNTT AACCAGTNAC CTTGATGGTT	60
TCATTAANAA GGGGGGACCT GGGACGGAAA ATGTTGGCTT CGTNGGGGGT AAGAACCCCC	120
	120
(2) INFORMATION FOR SEQ ID NO:1664:	
<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 113 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1664:	
CATGGGGTTT TNCCTTTGGC CACATATATG CGAATTTTTT ANGAGAAGGT GATATTTTGG	60
ACATCANGGG AANTGGTTAC TNTTCCAAAA GGGTTTGCCC CACANTTTTT ACC	113
(2) INFORMATION FOR SEQ ID NO:1665:	
<ul><li>(i) SEQUENCE CHARACTERISTICS:</li><li>(A) LENGTH: 249 base pairs</li><li>(B) TYPE: nucleic acid</li></ul>	

(C) STRANDEDNESS: double (D) TOPOLOGY: linear	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1665:	
GGCANAGCCG NCGGTTCCNA GGATGCCAGC GCCATGCTGA GGCGCTTCCT GGGCCGTGAA	60
	120
	180
	240
	249
(2) INFORMATION FOR SEQ ID NO:1666:	
<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 102 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1666:	
AAGAGGCCAA NGTACAGTGG TNGGTGGATA ACGACCTGCA NTCGGGNAAC TCCAAGGAGT	60
GTCACAGGCA GACACAAGCC AGCACCNACA GACTCAGTAA CA	102
(2) INFORMATION FOR SEQ ID NO:1667:	
<ul><li>(i) SEQUENCE CHARACTERISTICS:</li><li>(A) LENGTH: 335 base pairs</li><li>(B) TYPE: nucleic acid</li><li>(C) STRANDEDNESS: double</li><li>(D) TOPOLOGY: linear</li></ul>	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1667:	
NGGGGGTNGG TGACCCNCGG CTGCTGCAGG GAATCTGCNG ANCTTGCAGN CCATGGGGGC	60
GCACCTGGTC CGGCGCTACC TGGGCGAATG CCTCGGTGGA GCCCGACCCC CTGCAGATGC	120
CAACCTTCCC GTTCAGACTT ACGGCTTCCC CGAACGGCAA GGAGCGCGAG ATGGTGGCCA	180
CACAGGCAGG AGGATGATGG ACGTGCCATT NAGGGCTCCA GCTGGGGGGA CTAATTGCGG	240
CCCACCACCT TCATTCCGGN TGCTTCAAGT GGCAAGTTTT GGACAGTTTT TCCCCAAATT	300
TNCTTGGGCC TTGNAAAACA NGGAGCNGGG CAGGA	335
(2) INFORMATION FOR SEQ ID NO:1668:	

(i) SEQUENCE CHARACTERISTICS:

(A) LENGTH: 441 base pairs(B) TYPE: nucleic acid(C) STRANDEDNESS: double

(C) STRANDEDNESS: double
(D) TOPOLOGY: linear

(D) TOPOLOGY: linear (xi) SEQUENCE DESCRIPTION: SEQ ID NO:1668: 60 GGCAGAGNCA CAGATGTCTC AGACGGCCTG TCCATCCGCC TCGGGNCAGC CCTGAAAATC TACGAGCACC ACATCAAGGT GCTTCAGCAA GGCCACTTTG AAGGATGAAT GACCCCNATG 180 GCTTCTTAAG GCTGAGCGCC CAGCCTGCAC CCCTGCCCCA GCCCATTCCG GCCCCCATCT NCACCCAGA ATCCCCCAGA GTCCAGGAGC TGGACGNGGA CACCCTNCAG CCCTCATGAA 240 CAGAATTCCA AGGAGAGGC ACCTCTTGT GCCTTATCTT TGGCCCTTGT GTCTGTTTCA 300 CACACATNTG CTTCCTTCAG CACGTCGGTG TGGGGAGGGG ATTGCTTCNT AAAACCCCAG 360 420 TGGNTGNACC TTCCCCACCC ATTCCAGGAC ATTTAGGAAA AAAAAATGNA ATTTGGGGGG 441 TTTTANTTTC CCAGTTCTTT T (2) INFORMATION FOR SEQ ID NO:1669: (i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 416 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: double (D) TOPOLOGY: linear (xi) SEQUENCE DESCRIPTION: SEQ ID NO:1669: 60 GGCAGAGGCG GGTGCAGGTC CAGCCCTTGG AGCTGCCCAT GGTCACCACC ATCCAGGTGA TGGTGTCCAG CCAGTTGAGT GGCCGGAGGT GTTGGTCACT GGATTTCCTG CCAGCCTCAG 120 180 -GCTNAGCTGN AGGTGGAAGC TGCTGGNACA AGCTCAGAGA ATCTNCTTTG GNCAAGACTA GGNAACGGTG GTNGNCGGAT GTGGNACGTT CCGGGAAGCT AACTGCCAGG GAAGTNTTCA 240 TGCTGGGGTT TGCTAGGGAA TGGAGTGGGC TCANCGTCTG TNCCCAAATC GGCCAGTTTC 300 ACAGTGCCCA CTGGGGTGGG GCAGCAATTC CCTCTGAAGA GTTTTNTCCG TATGTGAAAT 360 GGGGAGTTCC AAAAGGNTGA GTTCAGTTGN AACCATTTCC CGTTCGGTNA NTGGTG 416 (2) INFORMATION FOR SEQ ID NO:1670: (i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 187 base pairs (B) TYPE: nucleic acid

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1670:	
NAGCCGCATC CTCAGGGCAG GGGGNAAAAT CCTAACTTTC AACCAGGTGG CCCTGGNACT	60
CCCCTGAAGG CCTGTGGCAC TGTCCTGTTC TGCCGGTGCT CGCGAAGGCG CGCAAAGCCT	120
GTGANCGGGC ATTTGGGNNA AGGCCCCCAG GAAGCCCCGG CACAGCCACA CCAAACCCTA	180
NCGTCNG	187
(2) INFORMATION FOR SEQ ID NO:1671:	
<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 458 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1671:	
GGCAGAGTAT GATGATGTNA AGAGTATGGA GACCAAGGTT CAGTTCTTAA AGAATTTAAA	60
CCTGGGAAGG AGCCATGATC TGGTCTATTG ACATGGATGA CTTCACTGGC AAATCCTGCA	120
ACCAGGGANC CTTACCCTCT TGTCCAAGCA GTCAAGAGAA GCCTTGGCTC CCTGTGAAAG	180
GATTAACTTA CAGAGAAGCA GGCAAGATGA CCTTGCTGCC TGGGGCCTGC TCTCTNCCCA	240
GGNAATTCTN CATGTGGGAT TCCCCTTGGC CAGGCCGGCC TTTGGGATCT TCTCTTNCCA	300
AGCCTTTCCT GGACTTCCTC TTAGATTCAT AGATTGGGAC CGGTTTTGGT TTTNCTGNCA	360
GTGTTGGANT NGTTGNCCTG GAGTTACATT AAAAAAAATT CATTTTGNTC CAAAAAAAAA	420
AAAAAAATT CGGGGGGGG CCCGTAACCA ANTGGGCC	458
(2) INFORMATION FOR SEQ ID NO:1672:	
<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 300 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1672:	
GGCANAGGNA CAAGCCCAGC AACACCAAGG TGGNACAAGA AAGTTGAGCC CAAATNTTGT	60
GAACAAAACT CACACATGCC CACCGTGCCC CAGCACCTGA ANCTCCTGGG GGGAACCGTG	120
NAGTTTTCCT GTTCCCCCCA AAACCCAAGG ACACCCTCAT GAATCTCNNG GNACCCCTGA	180
GGTCACATGC NTGGTGGTGG ACGTGAGCCA GATGGACCCT GAGGTCAAGT TCAACTGGTA	240

CGTGGNACGG CGTGGTAGGT GCATTAATGC CAAGTACAAA GNCGCGGNGA GGGGGNGTNT

322

### (2) INFORMATION FOR SEQ ID NO:1675:

CCCCGAACCC GACTTGTTAA TT

- (i) SEQUENCE CHARACTERISTICS:
  - (A) LENGTH: 257 base pairs
  - (B) TYPE: nucleic acid
  - (C) STRANDEDNESS: double
  - (D) TOPOLOGY: linear

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1675:	
GGCAGAGCNA AGGTGGACAA GAAAGTTAAG CCCAAATNTT GTAACAAAAC TAACACATGC	60
CCACCGTGGC CAGCACCTNA AACTCCTGGG GGGAACCGTA AGTATTCCTC TTCCCCCCAA	120
AACCCAAGGG ACACCCTGCA TGAATCTCCC GGNACCCCTG AAGAGTTCAC ATGCGNGGTG	180
GTGGGACGTG AAGCCACGGT GTACCCTGTG GTCAAGTTCC AACTNGGTNA CGTGGGACGG	240
CGTGGTGGTG CNTNAAT	257
(2) INFORMATION FOR SEQ ID NO:1676:	
<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 240 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1676:	
GGCANAGTGC ATCACCAAGT TGGAGACCTT TATCCAGGAG CACCTGAGGG TCATTGGGGC	60
TGTGGGGATC GGCATTGCCT GTNTGCAGTN CTTTGGCATG ATCTTCACGT GNCTGCCTGT	120
ACGGAAGTCT CAAGCTGGAG CACTACTGAA CCCTGCCTTG GGCCTTNGCT GCTGCTGCAC	180
CCAACTACTG AGCTGTAGAA CCACTGTAGT NACCAGGNGG TCTGGGNCTT CCCTGAATNG	240
	240
(2) INFORMATION FOR SEQ ID NO:1677:	
<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 435 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1677:	
CCTAGCACCT NGTGGATCCC CCGGGCCTGC AGGANTTCGG CAGAGNATTT GGTGACCTTA	60
AGTNTACAGA NCACTGATTC CCCATCCTAT CCAGAGATTA GTTTTAGTTG CAGCATGGAA	120
CAATTACAGG ACTTGGTGGG GAAACTTAAA GATGCTTCGG AAAAGCCTGG NAAAGAGCAA	180
CTNCANTTGT AAACTTGGGG NAAGTTAAAN NATCCGCCCG AGTGCCAGAG GGAAAACCAG	240
AAAGNCCTTG CCTTCAGCTG GAACCACCGT TTGTGCGNAG CTGGGATGTN CCTTTTCAGT	300
AGGAAAAGAA TTTTCCCTTT TGANTTTATA ACCATTCATC AATTTTGAAC ATTTNAAAAA	360

GNGTGAAAAG GGTTAAGAGG GGAAAGATTA TTGCCCAGTT TTTTGNATTC GTTTTAGTGG	420
TAAAATGTNC CATTN	435
(2) INFORMATION FOR SEQ ID NO:1678:	
<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 146 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1678:	
GGCACAGTGA AATACATTTT GGAAGANAGT TTTTNATCTT AGAGATTGGT GAACAAGTGT	60
AAGGGTGTNA GAAACTCACA GGAATACAAA TTTNCCTGTA TGTTTTGTGG GTTTTTTTTT	120
TNCCCCNTCA AGATGTTTNC TATTTC	146
(2) INFORMATION FOR SEQ ID NO:1679:	
<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 450 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1679:	
GGCAGAGGTG CCTGATACGA CTACCAGGCA GCCGACGACA CANAGATCTC CTTTAACCCC	60
GAGAACCTCA TCACGGGCAT CGAGGTGATC GACGAAGGCT GGTGGCGTGG CTATGGGCCG	120
GATGGCATTT TGGCATGTNC CCTGCCAACT ACGTGGAGCT CATTGAGTGA AGGCTGAAGG	180
GCACATCTTG CCCTTGCCCC TCTNCAGACA TGGCTTCCTT ATTGCTGGAA GAGGAGGCCT	240
GGGAAGTTGA CATTCAGCAC TCTTCCAGGA ATAGGACCCC CANTGAAGGA TGAGGCCTCA	300
GGGCTCCCTC CGGNTTTGGN AGATTCAGCC TGTTNAACCC AAATGCAGCA ATTGGCCTGG	360
TGATTTCCCA NAATTTCNTT CCTGGNAACC CCCGAACCTT TCCCAAAAAA TTTTGGTTTT	420
NGCCCCTTAA NAGGTTTTTT GGGCCCAAGC	450
(2) INFORMATION FOR SEQ ID NO:1680:	
(i) SEQUENCE CHARACTERISTICS:  (A) LENGTH: 157 base pairs  (B) TYPE: nucleic acid  (C) STRANDEDNESS: double	

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:168	30:		
ANTCTGGGCC ACGGGANAGA CAAGCTGGAA CCTGCATTTG N	IAACCCTNGC	TTCAGNGAAT	60
ACCACCATTG TTTGCAACTG CATTGGACGG CAGCAACTGG G	GGGCAAGTA	ACAACGGGNA	120
GATTNACCNT TGNTTGCACT CCCANGGTTC AAAGGTC		•	157
(2) INFORMATION FOR SEQ ID NO:1681:	•		
(i) SEQUENCE CHARACTERISTICS:		(0)	
<ul><li>(A) LENGTH: 458 base pairs</li><li>(B) TYPE: nucleic acid</li><li>(C) STRANDEDNESS: double</li></ul>			
(C) STRANDEDNESS: double (D) TOPOLOGY: linear			
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:168	81:		
GGCACGAGCA CCAGCNACTC TNCCAGCTCA AGGNACCCAC	CTGCNAGTAC	AGGGCAGCCC	60 .
AATCTGGTCC CTCTNAACGG CCAGGACCTC CGCAGAGGGC (	CCTGCTGGCA	CGAGGCACTA	120
AGTCTCAGGG GCCAGCCAAG CCCCCACCCC CAAGGAAGCC	ACTGCNTGCN	GACCCCCAGG	180
GCCGGTGCCC ATCGGGTGAC CTGCCCGGCC CAGGGGCTGG	AATCCCGCCC	CTAGTGGTAC	240
CCTCCANACC AGCGTCACCG NCTCCAACAG TGTTCCTCGC '		~	300
CGGGAGGTTT CCGGTTGCCT TCCAAAGCCG GGACTTTAGG			360
GTTGCCCTTT TGGGNAGTCC CCCTAACCAT TGANTTAAAG	GGGGNCAAAA	AANTTGGGGG	420
TTGTTTTNAA GATTTCGGGG AAACGCCAAG GGGTTTTT			458
(2) INFORMATION FOR SEQ ID NO:1682:			
(i) SEQUENCE CHARACTERISTICS:	-		
<ul><li>(A) LENGTH: 462 base pairs</li><li>(B) TYPE: nucleic acid</li></ul>			
(C) STRANDEDNESS: double (D) TOPOLOGY: linear			
(8) 10102001			
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:16			
GGCACGAGCA CAGGGGAGCT GCTGGGCGAG TACAAGGGCC		GGAATACAAG	60
CTGGACTGCT GCCTGANCAA GCNTAACACA CATGTGGTCA			120
GTGTTCTTCT GGGACCTGGT GGAGGGTGCG CTGGCTCTGG			180
GTGGTGCAGT CGCTGGCCTA CCACCCAACA NAGCCCTGCC			240
CAGCGTCCAG TGCTGGCGAG NGGAGGCCTA TGAAGGCAGA			300
AAGGGACCCA CCAACAGGAC CAAGGACCGA GACACAGACA			360
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360 -

CTTATTTTA GAGACGTAGT TGACCCAAAA ATTAGGGGNG GGGGTTNGGT TTTNCAAATT	420
NATTAATTAG AGGGGGGGT AAGACCTTCC TGGGNCCCCA AA	462
(2) INFORMATION FOR SEQ ID NO:1683:	
<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 492 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1683:	
GGCACGAGGA ATCCTGACAG GGACAGGCAG GCACAAGGCA CAAAACCTGG GAAATCTNAG	60
CCACAGAGAA TGCTGTTTTG CTGCGGCAAA GGCGCCTCGT NAGTCCTGGG GCCTGTTTGC	120
TCTTGGCCCG GGNGCCAGGG CCAGTTTCTG GCACCCCTAG GAGAATGAAT AGGGCTCAGT	180
GTGGTGGCTC CGCTGAAGCT TCAGAGCCCC CTTTNTGCCT GCCTGGGAGT GNGCCGTTAA	240
GGAGTGCGAA CCAAGGACCT GCCGGTGNGG TGGGCTGTCC CTGCAGGAGC TCTTTNAGTT	300
TGCACTGGGA GGGGCANGTT CANCCCCAGC CCCATGGTTC CCTGTTCCTG NAACAACCCC	360
GAGTGGTTTT TCCTTGNCTT CCAGGCTTTN GGTTTAAGGT TGGGCTTCAA AACCATTGGG	420
GAATTTCANT TTTNGCCCTT NCCCGGCTTA AGGTTTTTTA AACTCCTTTT GGGATNCCTT	480
AAAGGTTGGG TT	492
(2) INFORMATION FOR SEQ ID NO:1684:	
<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 156 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1684:	
CAGCACANCC TGTGGCAGGC CCGTAAGTTT TCCTNTTCCC CGCAAAACCA AAGGACACCC	60
TCATAATCTC CCGGGACCCT TAAGGTAACG TNANNGGTGG TGGACGTAAG CCAGAAAAAC	120
CCCAAGGTNC AGTTCAACTG GTCACGTGGN CGGCGT	156
(2) INFORMATION FOR SEQ ID NO:1685:	
<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 58 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1685:	
GGCANAGGGC CAAGGNGAAG NTCCCGCGCT ACTACANGAA CATCGGNCTG GGCTTCAA	58
(2) INFORMATION FOR SEQ ID NO:1686:	
<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 380 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1686:	
GGCACGAGCC CAAATTCAAC ACATTCCACT CATAAGTGTT CTGTACTCTT CAAAAATATT	. 60
CATTAAAGTC AAAGAGAGGC TGAGGAACTA TTTCAAACTC AGGAGACTTG GAAACTAAAT	120
GCAGTGTGTG ATCTTGGATT GGATTTTAGA TTAGTAGGAA ACATGACTGT AAAAAAGTGN	180
CTGAAAAATA NCTGGTATTA TTGGGACATC AATGTTAAAT TTCATGAATT TAATATATAT	240
TGGTTATGTA AGTTAAATGT NCTTGTNCTG AGCTGNAAAT TAAGTTTGAN CCTATTAGGG	300
GGGCAAAGCT GTCTAAANCT CCCCAAATAG TTCCTGCAAA ANGGTTTTCC AGTGGGGGTN	360
ACCACACATT GGGAGAGGNG	380
(2) INFORMATION FOR SEQ ID NO:1687:	
<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 451 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1687:	
GACGCCTTCA GGCCCGACGT GACTTCATCC TCTTTTCAGA GGCCAGTCAA CGACATGAAC	60
ATCGCAAGCG GCTGCCCCCT CTTCTGCCCC GTNTCCAAGA TGGAGGCAAA GAATTCCTAC	120
GTGCGGGACG ATGCCATCTT CATCAAGGCC ATTNTGGACC TGACAGGGCT CTAACTGCTC	180
CCTACTGGTG TTTGGGGGTT GGGGGCAGCC AGGCACAGCC GGCTCACGGA GGGGCCACCA	240
CGCTGGGCCA GGGTCTCACT GTACAAGTGG GCAGGGGCCG CGCTTGGGCG CTTGGGAAGG	300
GTNTCGGCCT GCAGCCAAGT TCACTGTCCA CGGGGGGAAG GAGCCACCAG CCAGTTCCTC	360
AGATTTCAGA GACTNCGGAG GGGTTTNGGC AGACGGTTTT AGNCAAGGGG TTTTGTGGCA	420
TTNGCCGAGG GTTTTTCGGG GTGNTTTCCA G	453

(2) INFORMATION FOR SEQ ID NO:1688:	
<ul><li>(i) SEQUENCE CHARACTERISTICS:</li><li>(A) LENGTH: 192 base pairs</li><li>(B) TYPE: nucleic acid</li><li>(C) STRANDEDNESS: double</li></ul>	
(D) TOPOLOGY: linear	•
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1688:	
TTNTTTCCTC ACCNTCCACC AAGGCCCCAT NGNTTTTCCG CCTGGGGCCC TGTTTCCA	GA 60
AGCACCTCCA ANAGTGACAG GGCCCCTGGG CTGCTTGGTC AAGGACTACT TCCCCGGA	AC 120
CGNTNACGTT TCGTGGAACT TAAGGCGATC TGAACCAAAG GTNTGCACAT TTNCGGGT	TG 180
TCCTANAGTA CT	192
(2) INFORMATION FOR SEQ ID NO:1689:	
<ul><li>(i) SEQUENCE CHARACTERISTICS:</li><li>(A) LENGTH: 311 base pairs</li><li>(B) TYPE: nucleic acid</li><li>(C) STRANDEDNESS: double</li><li>(D) TOPOLOGY: linear</li></ul>	
TD VO 1600	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1689:	
GGNAGAAAGG NGCGCACGCC CNATGGCCAG TACATCTNCA GGCTGGAGCC GAACGTGC	
GAACTCNGCC CGCTTCCTTA ACCTGCCTGC CCGAAAGCCC CTNACCTACC AAACGNAI	*
AGCTCATCGC CCGNAAAAAT CCGAGGTGGA GNAAGATGCG GCGGGCGGAG GTTTCTC	CCC 180
GGGNTAGAGG AACAGCCCCC AGGTGGGATG GGAAGCCCCC CAGGGCTCGA AGAGGGT	NTG 240
CTTGGGNGGG GCATTGGGGG AGAAAGGGGG TGCACCGACC TNCCCCACGC AACCTTG	NGG 300
CANCGGTTGG G	311
(2) INFORMATION FOR SEQ ID NO:1690:	
<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 321 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	· ·
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1690:	
CAGCCCCGAN ACCCACAGGT NTATACCCTG CCCCCATCCG GGAATGACCT GACCAAG	ANC 60
CAGGTNAGCT TGACCTGCTT GGTCAAAGGT TTCTNTCCNA NCAACATCGC CGTGGAA	AGTG 120

GGAAGANCAA TGGGCCAGCC GGAGANCAAC TACAAGACCA CGCTTCCGGT GCCTGGANTC	180
CGAACGGCTN CTTCTTCCTN TNACAGCAAG CTNCACCGTG GGACAAGAGC AGGTGGGCAG	240
CAGGGGNAAC GTTTTCTAAA TGNTTCCGTG AATGGCATGA GGGTNTTTTG CACAACCAAT	300
TACAAGGCNG AAGAAGCCTN T	321
(2) INFORMATION FOR SEQ ID NO:1691:	
<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 219 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1691:	٠
GGCACGAGCA AGATCACGTC TCCCGTGCTC ATNATCCACG GCACGGAGGA CGAGGTGATC	60
GANTTCTCGC ACNGGNTGGC GCTCTACGAG NTCGNCCCCA AGGCGGTGGA GCCCTGTGNG	120
GTGGAGNGCG CCGGGCACAA CGACATCNAG CTCTACAGCC AGTACCTGGA GCGCCTGNTT	180
CGCTTTNATC TTCCCAGGAG CTNGCCCAGC CAGCGCCGC	219
(2) INFORMATION FOR SEQ ID NO:1692:	
<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 325 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1692:	
TCCCCGGCNG CCCCTACTGG AAAGTAAGGA GCCCCTCTGC NTGGCCAGCC GCCCCGTCCG	60
GAAGGNCGGT GGGGGGGTCA GCCCCCNCCC GNCCAGCNGC CCNATCTGGA AGGTNAGGGG	120
CACTINITICC GGGCCGCCCC TACTGGNAAA GTGAAGGAGC CCTTNTGCCC GGCCAGGACC	180
CCGTTTGGAA GGTGTGCCCA GCGGNTCATT GGGGATGGGG CATGATGACA ATGGCGGTTT	240
TTGGAATAGA AAGGNGGGAA GGGTGGGGAA AAAATTNAGG AATNGGGTGG TTTNTTGGTT	300
TTTTTTGATA GAAGTAGACN TGGGA	325
(2) INFORMATION FOR SEQ ID NO:1693:	
<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 264 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1693:	
ACCCCAAATG TCCTCATCAT CCCGTAAAAN CTGAGGTACT TCGTAAAGGA TGTCCTNGGC	60
TGTTTCTGTT TAAACCCTGG GCGCCTTACC AAAGGGCAGG TGGGAAGGNA CCTTCGCCCG	120
ANTNTACCTT AGGAAGGCCG GCAGCGGACG GGNGCAGAAA GGCAGAGCCC ATGCATTGCT	180
GTGCAGGTCG TNAGGTATCT GAGGGCTTCT TTTNCTCTGC TGTTCTCTGC TGTTTGGGGN	240
CCTTAAAAGT NTTTAGNCCA AGAG	264
(2) INFORMATION FOR SEQ ID NO:1694:	
<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 273 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
770 TD VO 1604	•
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1694:	
GCCTGTTGGA GGAGGAGAGA GCTTTNTGGC ATGANCCACA GTTTCTTGAT GGNGGGCATC	60
AACCTTTGGT GAGGGTTNTN TTGGGCCTGA AATTGTTGGC CATGGTGGGT GGGTTTAAGG	120
TGGCTNTGCT GATAAGGGCC TCCGTTTCTG GGTTAAGTGA NAAGAGAAAA AAGGAGTTAT	180
TGAAGTNGAC GTTGATAATA GGTTTAANGT GAATCATGAA TGNAGGAATT GGAGNATTTG	240
TGGTTGGAAA AGGGGAAGGT TTTTNCGGTA ATG	273
(2) INFORMATION FOR SEQ ID NO:1695:	•
<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 296 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1695:	
ANACTACGTG GGCAGCCCCA TCACCTGCAC CTGCTTCACC CGGGATGGGC AGTGCACCCT	60
GGTGTCCAGC CTGGACTCCA CATTGCGGCT CCTGGACAAA GACACAGGGG AGCTGCTGGG	120
CGAGTACAAG GGCCATAAGA ACCAGGAATA CAAGCTGGAC TGCTGCCTGG ACCNAGCNTG	180
ACACACATGT GGTCAGCTGT TCTAAGGACG GGAAGGTGTT CTTCTGGGAC CTGGTGGAGG	240
GTGCGCTGGC TTCTGGNCCT GNCTGTGGGT TTCCGGTGTG GNTGCAATNG NTGGAC	296
(2) INFORMATION FOR SEQ ID NO:1696:	

(i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 391 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: double (D) TOPOLOGY: linear (xi) SEQUENCE DESCRIPTION: SEQ ID NO:1696: TCCCGGGGGN CAAGGNAGGN CAGTTCCAGC CGAAACCGNA NGAACCAGGA AGGTCACGCT GGAAATGCTC TTTCCTAGCC GGACTACGTG GGTGTACTCC ATCAACAACG TTCTCATGTN 120 TCTTTCAGGA AAGACCCCCC ACCTGTATTC TCATAGCATC CTTGGCCTGC TGGAACGGAA 180 AGAGACCAGT GCAGGAAACC CCATCGCTCA CATTAGCCCC CACCGCCTAC TGGCAAGGAA 240 GAACATGGTT TCCACCAAGA TCCAGGACAC CAAAGGCTGC CGGGCGTGCT TGTGTGGCGG 300 AGGGTGCGAG TTCTNGGGGN CCGTTNCTGT NCGGTGCATT TGAGACGTCC GTTGTCCTGT 360. 391 TNAGTGGTAC CAGCCATGAA CAATTCTTGT T (2) INFORMATION FOR SEQ ID NO:1697: (i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 103 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: double (D) TOPOLOGY: linear (xi) SEQUENCE DESCRIPTION: SEQ ID NO:1697: AAGCCCACCT TTTTNGCTGT TCGGGTCCNT GACTCCATAG AANCGGTAGG TGCCGCAGGA 60 103 TTAATGGNCC TGNTCCAGAA TCTTGTTGCT ACCGGCAATT AAC (2) INFORMATION FOR SEQ ID NO:1698: (i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 340 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: double (D) TOPOLOGY: linear (xi) SEQUENCE DESCRIPTION: SEQ ID NO:1698: GGCAGAGNCA AGGGCTCTTT NCCCGTGCCC CTGTACGATT ACCAGGCAGC CNACGACACA 60 AAGATCTCCT TTAACCCCGA GAACCTCATC ACGGGCATCG AGGTGATCGA NGAGGCTGGA 120 ACACGTGGNT ATGGGCCGGA TGGCATTATT GGNATGTTCC CTGCCAACTA CGTGGATGCT 180

CATTNANTGA GGCTGAAGGG CACATNTTGC CCTTCCCCTC TAANACATGG TTTCCTTATT

GCTGGAAGAG GAGGCCTGGG AAGTTGACAT TTCAGCACTC TTCCAGGAAT AGGNCCCCCA	300
GGAAGGTTNA GGNCTCAGGG GTTCCCNCCG GGTTTGNAAG	340
(2) INFORMATION FOR SEQ ID NO:1699:	
<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 82 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1699:	
GGCACGAGCC AGGATCACGC CATTNCACTC CAGCCTGGGT GATTNANTNA GACTCTGTTT	60
СААААААА ААААААААА СС	. 82
(2) INFORMATION FOR SEQ ID NO:1700:	
<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 191 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1700:	
ANAGNCAACA GTTCCNAGTT NAGTGCTCAC CGGCGCATCC ACACTGGGGA GAGCCCATAC	. 60
AAGTNTGCAG TGTGTGGAAA AATCTTCAAC AATAGCTCCC ACTTNAGTGC CCACCGAAAA	120
ACCCACACTG GTGAAAAGCC TTANAGGTGT TCTNACTGTG AAGAGAAGGC TTCACTTAGA	180
ANCTCTGNCC T	191
(2) INFORMATION FOR SEQ ID NO:1701:	
<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 334 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1701:	
GGCAGAGCAC GCGTGGNTGG TATNTGTTTG TGGCTGCTCC CATTCCTATA ACCTCCGAGA	60
CCTTCACTCC TAGGAATGTC CCAAGGCCAA TTCCCTTGGC AGCAATGAGA AGAAATGCCC	120
TTTTCCAAAT AGCGACTTCT GCAAAACCCG CTGTTGTTTG TGGGTGAGCA CTGCAGTNCC	180
CACCCCATICA CACACCCACA CTCCCTCCTG GCTCCTCTGC CACGGTGGCC TTCCCCAGCC	240

CTCACCCAGG CCCCGACTTT CCTCTNANAG GTTTCCAGTT TCCTGGGGGC CTNGGAACTT	300
TTCCTGAGTT CCTTTCCNAA NCCAACAGGT CCAG	334
(2) INFORMATION FOR SEQ ID NO:1702:	
<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 363 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1702:	
GGCAGAGCGG TGACAGCGNC TCCAGGGCCG AAGCCGCNGG GCNCCACTCG GGGGCTGNGN	60
CTGCGCGTTG GNAGACCGTG CTCCTNAGTC TGCGGTTCCC GANTNATCAG CNGCTGNTCC	. 120
CGGAAGTGGG GCCAGTGCTG CGAACCTCTC TATATGGATG TGCAAGCTAC AACTCCTNTG	180
GACCCCCGGG TGCTTGATGC CATGGTCCCT TACCTAAATC AACTACTATG GGAACCCACA	240
NTCCCGGACA CATGCTTATG GCTGGGAAGA GTGAGGNAGC CATGGAACGT GCTTGTTNAG	300
CAAGTTAGCA TCTNTGATTG GGAGTTGATC CTCGTGAGAT TCANTTTTAA TNAGTGGGTG	360
TTA	363
(2) INFORMATION FOR SEQ ID NO:1703:	
<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 340 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1703:	
CCTCCCCAGG CCCCAAAGCA CCCCAAGGCT GGTATTCCTT GAGTNATAGG TATTAATAAT	60
AAAAGCCTCA ATGCAGCTTC TCCATGTAGT TCCTCTCCTA CAAGCCAGGT GGATTCTGGT	120
CCTAACTAAA GAGATGGGAG TTCACCTGAG GGCAAGAAGT ACCCAGGATG CCCAAACAGC	180
CGCACAGGTG TCCTGTGCTT CCTGTGAGAC TTCCTGGGGG AAATATACAA ACTTAATATA	240
TTTTTAAATG TTTACGTCAT TTACACTGCT GCTTTTCTAA TANTCTGNNT TTNATTACTT	300
GTAGTNAATC ATTTGTTTGG GGTTTCAAGC ACTGTCTTCC	340
(2) INFORMATION FOR SEQ ID NO:1704:	
<ul><li>(i) SEQUENCE CHARACTERISTICS:</li><li>(A) LENGTH: 147 base pairs</li><li>(B) TYPE: nucleic acid</li></ul>	

(C) STRANDEDNESS: double

(D) TOPOLOGY: linear	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1704:	
GGCAGAGCNA ACGTTGGTGA GGACTNTCCA GTATTCAATG GCCTGTTTAA GTTCTGTNAG	60
TTGTNTACTG GTGGTTCTGT GGCAAGTGCT GTGAAANTGN AATAAGCAGC AGACGGGACA	120
TGGNTGTGAA ATTGGGCTGG GGGCCTG	147
(2) INFORMATION FOR SEQ ID NO:1705:	
<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 101 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1705:	
AGGCCCCCTG AAGCTGCAGC CCCCCGAGA ANCTGGCCTG GAACTATGGC CGCCCCTNAN	60
CTTCCCTCCA CCCCGNATCC GGAAGAAGNC ATCCAGGAAA G	101
(2) INFORMATION FOR SEQ ID NO:1706:	,
<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 261 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
( ) CROWDYON DESCRIPTION, SEC. ID NO. 1706.	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1706:	60
GGCAGAGGGN ATGGAGGATC TCAACTGTNA ATCCACACTG TTCTCCAGGC CAGGGAAAGC	120
CTGGGAAGGT AAGCCTGGGA AGAGGCCCAA GCCCACAGTG GGTAATTGGC CCCATGGGCT	180
NCCAGACTGT NNACTNCCCC AGGTTGAATC ACTGTGGTGC TCCAGCCTGG CTGTGATCTA	
GTNAAGGGTG TTGTGGGGGG CATCTNTGGG CCTTCAGGGG CCCCAGGTNA CTTCCTGGGT	240
ATAACTTGNG TNACACGTGT T	261
(2) INFORMATION FOR SEQ ID NO:1707:	
(i) SEQUENCE CHARACTERISTICS:  (A) LENGTH: 256 base pairs  (B) TYPE: nucleic acid  (C) STRANDEDNESS: double	

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1707:	
GGCACGAGCG GAGATTGACC TGGGAGGCCA CGCCCCGTTC GATTCATGAC GGTGTGGCTG	60
CGGCCATCAT GAACAGCGAC TGCCTTGTTT TCGACACAGC CATAGCACAT CTTTTTGNCA	120
GATAATGGGA ACCTTGGGAA TCAATGTTAC TATTTCTACA TGTTGTCCAT GNATGTGAAC	180
TTTCGTAAAC CTTCAAAATT ATTTGGGCAT AGTGCTCTAT GTTTGAATNA AAGGTTTTTA	240
TAGATGTTTT ATTCCA	256
(2) INFORMATION FOR SEQ ID NO:1708:	
<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 252 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1708:	
TGTATTAAGT CTGCGCTAAC TAGGTTCCCA GGGCTTCTGT CCCTGGGACG TGGGGTCCCC	60
ACAGACCTGG AAATTCTCCG GCGTCTTCCT TTGCCCAGAG CAAATTGAGA CATCCCCGTG	120
AAGAGCCCGA GGGTCGCTTC CTTTTGGGTT TAAAGTCGTC CTGAGGCTGG TCTCGTCCCC	180
GGTCTTTCTG CTATAGGTCA ATGTATACAC TTTCTGTTGA GTANTTTTCC TGCTGTAAAA	240
	252
CCTTGTTCTG AT	
(2) INFORMATION FOR SEQ ID NO:1709:	
<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 278 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1709:	
GGNAGAGGNT AAGACGCCTC CNTNCTGCTT GTGNAACGTC CTAAGCGTAC CCNCTCTTCC	60
CAGCACCCAG GCCAGTATTA AAATCAATTC TNTCTATGAA AGGGAATCGA CTTCAATACC	120
TGCCATTAAC CCGTGCCCCG AATTTGAAAG AACTGAAATG NTGGACCTGT TCCCGTGGGA	180
ACCCTGGAAC CCAGTAGAGA AAAGCCCTTG GAGAATGCCA AANTGGGGCA AGTGNANAGA	240
TTTCATGATA TTGCNCCTGG GTTGGTGGTT NTTACTGG	278
(2) INFORMATION FOR SEQ ID NO:1710:	

(i) SEQUENCE CHARACTERISTICS:

(A) LENGTH: 144 base pairs

(A) LENGTH: 147 base pairs (B) TYPE: nucleic acid

<ul><li>(B) TYPE: nucleic acid</li><li>(C) STRANDEDNESS: double</li><li>(D) TOPOLOGY: linear</li></ul>	
(2)	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1710:	
CAGAAGAGTT AGTTTCCAGG CATCCATTTC CAGGTCCTGG CCTGGNAATC AAAGTAATAT	60
GTGCCTGAAG AACCTTATAT CTGTAANGNN CTTTCCTGAA AACCAACAAT ATTTTAAAAA	120
TAGTAGCTGA TTTTTCCTGC CANT	144
(2) INFORMATION FOR SEQ ID NO:1711:	
<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 288 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1711:	
	60
GTGCGNCATC CTAAGCACCA TCNATCGGGA AGCTGCTCAA GCCCAACGCC TCATTGGCCC	
TCCACAAGCA CAGCAATGCA CTGGTGGACG TGCCTGCCCC CCGAAAGCCG ACAGCAGCAT	120
CATGAATGCT NCACCTTCAA ACCAGAAGCC AGATGTNAAT GTACGCGGAC ATCGGNGGGC	180
ATGGGACATC CAGAAGCAGG TAGGTGCGGG AAGGCCGTGG AAGCTTCCCG CTTCACGCNA	240
TTTGGAAGCT TTACAAGCAG ATTNGGANAT TGTTTTCNNC CCCGAGGG	288
(2) INFORMATION FOR SEQ ID NO:1712:	
<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 124 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1712:	
ATCTCCCNGC AGAAAGCTTT CTTTCTNAAA ATGGTGGTGG ATGCNGTAAT GATGCTCGAN	60
GATTTCCTGN AGTTTAAAAT GATTGGAATC AGGAGGGTAC AGGGTGGNGC CTTGAGGGTT	120
TCTA	124
(2) INFORMATION FOR SEQ ID NO:1713:	
(i) SEQUENCE CHARACTERISTICS:	

(C) STRANDEDNESS: double (D) TOPOLOGY: linear	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1713:	
	60
GNAAGACCAA GGCTCATGGA ATCCTCNAGC AAATGTGGGG AGCTTNCCTC CTCTATGTTT	120
CCATGANGAT GGGAAGGNAC TGNGGGAAAA AGCCTTAACC AGCCCTNTAA GGTGAANAGC	
TGTGGAAGGG GCCATTTTCC CGAATAA	147
(2) INFORMATION FOR SEQ ID NO:1714:	•
<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 217 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1714:	
CTAAAGGACC TGCNCGTNTG GACCAGCCAG CTGAAGAGCA CCATCCAAAC GGCCGAGGCG	60
CTGCGGCTGC CCTACNAGCA GTGGAAGGCN CTCAATNANA TCAACGCGGG CNTNTGNAAG	120
GAGCTGACCT ACGAGGAGAT CAGGGACACC TACCCTAAGG AGTATGCCCT GCGGGAGCNG	180
NNCAAGTNCT ATTACCGNTA CCCCACCGGG AAGTCCT	217
(2) INFORMATION FOR SEQ ID NO:1715:	
<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 298 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1715:	
GGCAGAGCTT AATGGCAGAA GCTCTGGAAA AGCTCTTNTT GCAAAAAATA AATGGGCTAC	60
CCACAGAAGA AACCGAGATC ATGATAGTCC AGGCAAAAGG AAGAGGACGT GGGAGGNAAG	120
AAACAGGGAC AGCAAAACCT GGCGTTTCCA CGGTACCAAA CACAACTNAA GCATCGANTC	180
CTCCGCAGAC CCAGACCCCT CAGCCGAATC CTCCTCCTGT GCCAGGCCAC GGNTTCACCC	240
CTTCCCTGCG GTNNACCCCG GACCTNATCG TNCAGACCCC TGTTAATGAC ATGGGTGC	298
(2) INFORMATION FOR SEQ ID NO:1716:	
<ul><li>(i) SEQUENCE CHARACTERISTICS:</li><li>(A) LENGTH: 105 base pairs</li><li>(B) TYPE: nucleic acid</li></ul>	

(C) STRANDEDNESS: double (D) TOPOLOGY: linear	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1716:	
GGAAGAGTGA CCGGCTGGTG GAGGTGCAGT GGGAACAGCA GGAGGCCCGA AGCCTCTGGT	60
ACCTGCCCCA AGGNCANAAA ACCTAANAGC AGCACANNCA TGGTA	105
(2) INFORMATION FOR SEQ ID NO:1717:	
<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 217 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1717:	
CGCGGNTACT ACAACCAGAG CAAGGCCGGT TNTAANACCA TCCAAATGAT GTATGGNTGC	, 60
AACGTGGGGT CGGACGGGAG NCTTCCTCCG CGGGTACCGT AGGNCGCCTT ACGAACGGCA	120
AGGTTTACAT CGCCCTGAAG AGGACCTGCG NTTCTTNGAC CGNGGNGGAA CATGGGCAGT	180
TTCAAACCAC CAAGCACAAG TGGGAAGGNG GGCCCCT	217
(2) INFORMATION FOR SEQ ID NO:1718:	,
<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 71 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1718:	
GNAAGACCAC CAAGGCCTCA AAATTAACCT AAAGACCCAC TCCTTNCAAG TGGTGGTAAT	60
CTCCAANATC T	71
(2) INFORMATION FOR SEQ ID NO:1719:	
<ul><li>(i) SEQUENCE CHARACTERISTICS:</li><li>(A) LENGTH: 258 base pairs</li><li>(B) TYPE: nucleic acid</li><li>(C) STRANDEDNESS: double</li><li>(D) TOPOLOGY: linear</li></ul>	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1719:	

CGGGCAACCC TGAAGGCTGG TGGTGCCGGC AACCCAGTNC GGCTCCNTGA ATTGGGAAAA

GGCGGGTNTA ANATCAANGA GAATCCGCAA AAGTACGGGG GCGCNGTCCA GGTGGCGGGG	120
GAATATGCTG CCCATTCCAC CGAGGGGGCC ATCACCATCG CTGGNGTGCC GCANTTTGTA	180
ACCGAGTGTT TCAGCNATTT CCCTGGTCAT GCTGGAGACG GTCTCCCGTT TTCGAAAGGA	240
AGNGTCATGN CCTTCCGT	258
(2) INFORMATION FOR SEQ ID NO:1720:	
<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 324 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	٠.
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1720:	
GGNAGANCNA GGTTACNAGG GCTGGCTGGC CGGCTACCAA ATGAATTTNA AAACTGCAAA	60
ATCCCGAGTG AACCCAAAGC AACTTTCCAG TTGGCTACAA NACTGNATGA ATTCCAGCTT	120
CANACTGAAT GTGAAATGAA GGGGANCAAA GTTTGGGGGC TCCATTTACC AGAAAGTGAA	180
ACAAGAAGTT GGGAGACCGC TGTGNAATTC TTGCCCTGGG NCAGCAGGGN AACAGTTAAC	240
ACGGGCTTTG GGAAATAGCC AGCCCAAGTT ATCAGAATTG NACCCTGAAC GGCTGTTTTT	300
TGNGGGTTTA ANGTGNAACA AATT	324
(2) INFORMATION FOR SEQ ID NO:1721:	
<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 265 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1721:	
AGATCAAGCA CTTTGGNATG CTTCGCCGCT GGGAATGANA GCCAAAANTA CCTGTNAAAA	60
CAACGTCCAC CTGGTGTCCA AGGAGACAGC CAATTACCTG GTCATTTGGT GCATTGNCCT	120
AGAGGTGGAG GAGAAATGTG CCACTCATGG AGCAGGTGGC CCACCAGAAC AATCGTTAAT	180
GCAATTTAAT CCTGGGAGCT GGCCAAGAGC CTTAAGGGTG GGACCCCCGG GNNCTGNTTC	240
	265
CGGNAGTTTT TCCACTAAGN TTTAG	200
(2) INFORMATION FOR SEQ ID NO:1722:	
<ul><li>(i) SEQUENCE CHARACTERISTICS:</li><li>(A) LENGTH: 285 base pairs</li><li>(B) TYPE: nucleic acid</li></ul>	

(C) STRANDEDNESS: double (D) TOPOLOGY: linear	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1722:	
GGNANANACG GAGATTAACC TGGGAAGGCC ACGCCCCGTT CCAATTNATG ACGGTGTGGC	60
TGCGGCCATG NATGAAACAG CAACTGCCTT GTTTTCAANA CAGCCATAGC ACATCTTTTT	120
GCCAGATNAA TGGGAAACCT TGGGAATGCA ATGTTAACTN ATTTCTANCA TGTNGTCCCA	180
TGAATGTGAA CTTTGCGTGA AACCTTNCAA AAATTATTTG GGCCATAGTG CTNCTTATGT	240
TTAANAAAGG TTTTTANTAG ATGTTTTNTT CCCATATGTT CTTCA	285
(2) INFORMATION FOR SEQ ID NO:1723:	
(i) SEQUENCE CHARACTERISTICS:  (A) LENGTH: 105 base pairs  (B) TYPE: nucleic acid  (C) STRANDEDNESS: double  (D) TOPOLOGY: linear  (xi) SEQUENCE DESCRIPTION: SEQ ID NO:1723:  GGAACAGGCC ATCTCCTTGG CNAAAAATTT CTTGGCCGGA NATNCGACCG CCGNNATCTC	60
CAAGAAGGGC CGTGGCTCCA ATCGAGCCGG GTAAAGCTGC TGTGC	105
(2) INFORMATION FOR SEQ ID NO:1724:  (i) SEQUENCE CHARACTERISTICS:  (A) LENGTH: 179 base pairs  (B) TYPE: nucleic acid  (C) STRANDEDNESS: double  (D) TOPOLOGY: linear	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1724:	
GGNANAGGNA GNAAGAAGGA GCTGAAGGCC CCCCGGCTCG GANCCAGCCC AAACAAGGAC	60
AAGGACGAAC CTTTTCCCCC CAAAGCAGAA GGCCGAGCGG NAGAAAGGAG CGCCCGGGTG	120
GCCAATTAAC GCCCGGGAGA GANTGNGNAG TNCCGTGAAA ATTCAAGAGG CCTTTAAGG	179
(2) INFORMATION FOR SEQ ID NO:1725:	
<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 283 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1725:	
AACGACACCC TNAGGAAGAT CCTGGACCTA AAATTTTAAG GGGGCCCCCC CAGGGCTAGC	60
NAGCCCTCTG GCCGCCTGCA GGCTNAACCA GTCCCTAAAC AGGATGGACA ACAGCCAGCA	120
CCCCCAGCCT GCTGANAGCG NACAGAACTG GGTCCTCAAA GGCTCTGGCC CAGAACCCTC	180
CCACCACCCA CGGTTGCTGG TGAAAGNAAT TCTNTGAACC TGCAACTNTG GCCAGGAGGC	240
TGTGCTGNTT CACTGTCCGT NAGGAGGGCC CCAACCGGGG CGG	283
(2) INFORMATION FOR SEQ ID NO:1726:	
<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 446 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1726:	
GGCACGAGGG AACAATGCCT TTCCTGAGCC GGGCAGGGTG CCATTTCCCG TGCCTAANAA	60
AGTGCTGTGG CCGCAGCTGT GTAAGGCGCT CAANATGAAA TTNAAGGCCG AAGTGCAGAG	120
CAACCGGGGC CTGAACCAAG GAGAAACCTC GTGTTCCTGG CGCAGAAACT NTTCAACAAC	180
AGCAGCAGCC ACCTGGAAGG TATGACAGTG GCCTGTTCCG TNTCCTGGTC CCAGTTCCAA	240
CAGGGNGGNA CTTGCCGGGC TGGNAATTAN ACCTTTTGGN CAGTGGTTTG AGGGGGTGAT	300
GGAGGTGTTG AAGANGCACC ANAAGCCCCA TGGAATGATT GGGGCCTTCT AGGTTTTTTG	360
AATTAGCCAA CAGGCCCAGA ACTGNTNCTT AAACAAGTCC GGGGNACTTT TTGTTTGGCT	420
TTAAGTGANT TCGAAATTTG GGGGGN	446
(2) INFORMATION FOR SEQ ID NO:1727:	
<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 343 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1727:	60
GGCACGAGGG AACTGCCCCT AAAACATCCT GCCCTCTTNA AGGCAATTGG TGTNAAGCCT	120
CCTAGAGGAA TCCTGCTTTA CGGACCTCCT GGAACAGTAA AGACCCTGAA TTGCTCGAGC	120 180
MCMACAAAM CAAAACMCCA CCCMMCMTCM TCMTGAAMCA ATGGTCCTGA AGAATCATGA	T D ()

AGNCAAATTG GCTGGTGAGT CTAAGAAGCA ACCTTCGTGA AAGCCTTTGA NGGAGGCTGA

240 .

GAAAGGAATG CTCCTGCCCA TGCATCTTGC ATTGAATGAA GNTTAGATGC CATCGTNCCC	300
AAAAGAGGAG NAAAANTCAT GGTGNGGTGG AGCGGTGCAT TGT	343
(2) INFORMATION FOR SEQ ID NO:1728:	
<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 107 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1728:	
GCAGAGACCC CGACATCANG ATCTTTGGGA AGTGGAGCCC CGATGATGTG CAGATCNTGA	60
CTTTCCCTGA NGGATTNCTT GAAGTGAGGA NAGTTTGCCA GTCCCTG	107
(2) INFORMATION FOR SEQ ID NO:1729:	
<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 314 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1729:	
GGCANAGATG AAAGTTCCAC CAGTNTGTGC GGCTATNACG CTCCGAGAAA TAACCGCACC	60
ATCTCCTTNA TCCCACCCNA CGGCGAAGTT CNAGCTCATG TCCTACCGTN TNAACACCCA	120
CGTAAAGCCT TTGAANATGG GATCGANTCG GTGAATCGAN AAAGCACTCC CACAGCCGCA	180
TCGAGTACAT GAATCAAGGG CGGCAAGGGA GTTACCTGAA TGCGGGCCCA CTTNGGCCTG	240
NCTAAGTGTG GGAGGCCGAA GACAAGGGGG GGCAAGCCCC CGATTCAGTG TCCAGTTTCG	300
AGATNCCTTN ATTN	314
(2) INFORMATION FOR SEQ ID NO:1730:	
<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 167 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1730:	
GGCAGAGTNT ATACCAAAAA GCAGCTCTTG GATAGNATGT GTATGAACTT TAGGTGGTCA	60
ACTOTOTA A GALATOTHOT TTGGAAGAAT TACAACTGGT GCTCAAAATG AACTTGAGAA	120

AAAGTNAACT NCAAAGTGCC ATATGCCCCA AATTNTTCCA GTTTGGN	167
(2) INFORMATION FOR SEQ ID NO:1731:	
<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 198 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1731:	
CTGGGAGGTG AATCAGTAAT GACCATGGNA TCAACCCCAC CGGAACCTAC NACGGGGAAC	60
AGNGAACCTG NAGCTGGNCC GATTCTTTTT TTACTANAAT GAAGGCCACA GGTGGNAAAT	120
TTNTNCCTGG TGCCNATCCT GGTGGATTCT NGAAACCTGG GAACCATGGC CTTTTTTCGC	180
TCAAGGTCCT TTTGGCCA	198
(2) INFORMATION FOR SEQ ID NO:1732:	
<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 246 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1732:	
GGNACGAGGG AAGGTGTCTN AAAACTGGAG ACTGGGGCGC TGCCGAAAGG GGATTCTCCT	60
	120
GAAGTGGAGA TGCAGTCAAA TGCCCTGGAA TGCAGCTAGA GGATGATTCT TTGTNCATAA	180
TCCCAGGCTA ATTNNAATCC TGGCCTACCA GTTCCGTCCA AATGGTGCCA GCTTGAATTC	
GTCGGCCTCT GGGAGTCTTT NNTGGGGCAT GATNAGGACG TTTGCNACTT TNTCCTGGCC	240
AATTCG	246
(2) INFORMATION FOR SEQ ID NO:1733:	
<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 183 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1733:	
GGCACAGTGG TGGCTCATGC CTGCAGTCCC AGCCACTCAG GAGGCTTAGG CAGGAGAACC	60
ACCURANCECC CACCUCCNAG GCCGCGGTGA GTCGAGACCG GAAAACACTC TAGCCTGGGA	120

AAACAAGAGC GAAACTCCGC TCAAAAAAAA AAAAAAAAA AAAAANNTNG GGGGGGNCCC	180
CNT	183
(2) INFORMATION FOR SEQ ID NO:1734:	
<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 362 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1734:	
GGTAGTATTC CNGGCGTACA GGTTGCCAGC TCGCGGCTCC AGTNATAACC AAAGCCCAGC	60
ATTTTAAGCT GGTTTTNAAT ATACGCAATG TTGTCGTACG TCCACGGTGC CGGAGCGGTG	120
TTGTTTTTAA CCGCCGCGC TTCCGCAGGC AGACCAAACG NGTCCNAGCC GATCGGCTGC	180
AGGACGTTTT TCCCCAGCAT ACGCTGGTAG CGGGCAATCA CGTNACCNAT GGTGTAGTTA	240
CGTACGTGGC CCATGTNTAG TCGACCAGAA GGNTTAGGGA NAGCATAGAC AGGCAGTAAT	300
AATTCTNTTT GATCTTCGTC TTCGGTTAAC TTNAAATGTG CGGTTTTAAT NCCCATGAAA	360
GT .	362
(2) INFORMATION FOR SEQ ID NO:1735:	
<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 180 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1735:	
CACTTTATNA NCCGGGAAAT AATGCGGGCA ACGGTGTTTA ATTATNTCGA TTGTNATTNC	60
AATCGGTGGC GGCGCACAG TTGGTGTGGC GGCCTCAGTC CGGAACANTT TGAAANCAAG	120
ACCCTCGCTT AGGCCTGTNT TCCATATTAN GTGGGTAGGT TCAAAATGCC GTTTNTGGTG	180
,	180
(2) INFORMATION FOR SEQ ID NO:1736:	
<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 351 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1736:	
GGCANAGGNA GAGAGAGAG GAACTAGTCT CGAGCGGGAG TCCGGCGGGT TACAGCGGAG	60
GCCTAGGTGG CAGACAGGGG GCCCGGGCCG CTGCGTGTTG TCCACCCAAA ATGGAGTTCC	120
TCCTGGGGAA CCGTTNCAGC ACACCANTGG GGCAGTGCCT CGAAAAGGCA ACAAATGGCT	180
CCCTGCAAAG TGAAGGNTTG GACGTTGAAA TATGGAGATC TGTGAACATC ATCCAATGAG	240
AACGGAGGNA AGGGCCAAAG GATGCCATTC GAGCCCTGNA AGAAGCGGCT TCAACGGGGA	300
ACCGATACTT ACAGAGAAGG TTGATGCTGG NATTTAANCA GTGNCTGGNA G	351
(2) INFORMATION FOR SEQ ID NO:1737:	
<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 294 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1737:	
AGCACGAGGT GGACTCACAA TTCCAAATAT TACCAGAAAG GGAGCCATGT NAGACAGGAC	60
AGCATGGAGC CCAGCGACGC TCTGGGAATG AATGTGTCTA ACTGTCGGTG TGGGGACAGG	120
CTGAAGACCC TAGAGCAGAG GGCGCGGTAG CAGNCACGCA GAGCNCTGNG NNACATTGCA	180
CTGGTGGGGA CTCCAAACTA CATNGCACCC NAGGTCTNCC TCCGCAAAGG GTACACTCAA	240
CTTTNTGACT GGTGGAGTNT TGGAGTGATT CTTTTCGAGA TGCTGGTGGG GGCA	294
(2) INFORMATION FOR SEQ ID NO:1738:	•
<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 131 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1738:	
GGCACGAGGG ANCANNCTCA ATAAGGTTGT NACACGACAC CCTNATCTNA AAGACTGCAT	60
GGTTTTGGCA NTGNCACATG TCGCAGCATG GTGGCCGTGA ANGGCATAGC GAACACCACA	120
	131
GGGCAAGCTG G	
(2) INFORMATION FOR SEQ ID NO:1739:	

(A) LENGTH: 273 base pairs(B) TYPE: nucleic acid

(i) SEQUENCE CHARACTERISTICS:

(C) STRANDEDNESS: double

(D) TOPOLOGY: linear	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1739:	
GGCAGAGCCA ATNAGGGNTA TTTTNATNAT TCCCACAAAT CCACCACCAA CATTCAGAAA	60
GCCAGANCTT TGGTCCGATG ATTTCACCGA TTTTTTTAAA AAGTGTTTGG TGAAGAATCC	120
TGAGCAGAGA GCTACTGNAA CACAACTTTT ACAGCATCCT TTTATCANGG NTGCCCAAAC	180
CTGTATCAAT ATTAAGAGAC CTGATCACAG AAGCTATGGN GATCAAAGCT AAAAGNNCAT	240
GNGGAACCAG CAACGGGANT TGGAAGGAGG AAG	273
(2) INFORMATION FOR SEQ ID NO:1740:	
(i) SEQUENCE CHARACTERISTICS:  (A) LENGTH: 155 base pairs  (B) TYPE: nucleic acid  (C) STRANDEDNESS: double	
(D) TOPOLOGY: linear	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1740:	
GGCAGAGGGC GACCANAGGC ACTTTTCCCC ACAGACCGGC GGCAGTANGG CAAAGGCTGT	60
GGGCAGCNGT TCGCTGGGAA GAAGTGCCTN CTGTGGTGGG CCANGCGCTG CTCGGAAGGG	120
CCTGTNTGCC CNCTGCTTTG GCCATTGCTT GGGGT	155
(2) INFORMATION FOR SEQ ID NO:1741:	
<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 383 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1741:	
GGCACAGGGN TCATCGGTGC AGGGGAGTTT GGAGAAGTGT ACAAGGGGCG TTTGAAACTN	60
CCNGGCAAGA GGGAAATCTA CGTGGCCATC AAGACCCTGA AGGCAGGGTN CTCGGAGAAG	120
CAGCGTCGGG ACTTTNTGAA GTNAAGGCGA GCATCATGGG CCAGTTCGAC CATCCTAANA	180
TCATTCGCCT GGNNGGTGTG GTCACCAAGA GTCGGCCTGT NCATGATCAT CACAGAGTTC	240
ATGGAGAATG GTGCATTGGG ATTCTTTCCT CAGGCAAAAT GACGGGCAGT TCACCGTGAT	300
CCAGCTTGTG GGTATGCTCA NGGGCATCGC TGCTGGCATG GAAGTACCTG GCTGNNATGA	360
ATTANGTGCA TCNGGGACCT GGG	383

•	
(2) INFORMATION FOR SEQ ID NO:1742:	
<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 279 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
(b) Toronoor. Timear	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1742:	
GGTANAGGTT GTNCCGAGGT GACACAGTGT TGCTGAANGN AAAGAAGAGA CGAGAAGCTG	60
TTTGCATCGT CCTTNCTAAT GATACTTGTN CTGATGAGAA GTATTCGGNA TGNAATAGAA	120
GTTGTTCCGG GAATAACCTT CGTGGACGCC TGAGGGGGTG TNATCAGCAT CCAGCCATGC	180
CCTGATGTGA AAGTACGGGA AACGTNATCC AGTGNTNGCC ATTGGTGACA CATTGGGAGG	240
GCATTACTNG GTAATCTCTT CGAGGGTATA CCTNAAAGG	279
(2) INFORMATION FOR SEQ ID NO:1743:	
<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 192 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1743:	
GNAAGACCNA AGGCCAAGAC CATAATCGTG GCGGGCNTGG TGTNCCTGTT GGCCGGCCTT	60
ATGGTGATAG TGCCCGGTTT CCTGGAACGG CCCANAAAAT CATCCAAAAT TTCTANAATC	120
CGNTGGTGGC CTCCGGGCCA GAAGCGGGAA ATGGGTGCTT CGTTCTACGT GGGNTGGGCC	180
GNTTCCGACC TT	192
(2) INFORMATION FOR SEQ ID NO:1744:	
<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 120 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1744:	
TNGGGNTGCA GGAATTGGGN AGAGCGTGGG CAGCAAGGGT GGGTAAAGGA TCCAAANATG	60
GCTGGGCGAA AAATTGCTCT AAAAAGAATT NATTGGGTAG CTTTTGCAGN GATAATANNC	120

(2) INFORMATION FOR SEQ ID NO:1745:	
<ul><li>(i) SEQUENCE CHARACTERISTICS:</li><li>(A) LENGTH: 59 base pairs</li><li>(B) TYPE: nucleic acid</li></ul>	
(C) STRANDEDNESS: double (D) TOPOLOGY: linear	
	•
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1745:	
GGCANAGGCG CGCCCGAAAN CCCGNGNTGA TCCGCCGCCG CTGCCTTGAG TCGACTCTG	59
(2) INFORMATION FOR SEQ ID NO:1746:	
<ul><li>(i) SEQUENCE CHARACTERISTICS:</li><li>(A) LENGTH: 489 base pairs</li><li>(B) TYPE: nucleic acid</li><li>(C) STRANDEDNESS: double</li></ul>	
(D) TOPOLOGY: linear	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1746:	
GGCAGAGCCC GGGGTGGAGG AGCTGCTGAA CAAGGGGCAG GACCCTCTGG CAGACAGGGG	60
TGAGAAGGAC ACAGCTAAGA GCCTCCAGCC CTTGGCGCCC CGGAACAAGA CCCGTGTGGT	120
CAGCTACCGG TGCCCCACAA CGCTGCGGTG CAGTNTACGA CTACCGANAG AAGCGAGCCC	180
GCNTGGTCTT CGGGCCTNAG CTGGTGTCGC TGGGTCCTGA GGAGCAGTTC ACAGTGTTGT	240
CCCTCTNAGC TGGGCGGCCC AAGCNTCCCC ATGCCCGCCG TGGGCTTCTG CCTGCTTGCT	300
GGGGCCTGAC TTCTTCACAG ACGTNATCAC CATCGAAACG GNGGATCATG CCAGGNTGCA	360
ATTGCATTGG NTTACAATTG GNATTTAAGG TGAATTAACC GNAGGACCCC CAAGAGACGG	420
CCAAGTTTTT TTAANTGCCA ATTTTTAGNN ATGCTNAAAA CCNTGNATCC CGGTNGGGGG	480
NCCTGGGTT	489
(2) INFORMATION FOR SEQ ID NO:1747:	
<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 400 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1747:	
GGCAGAGTTT AATCATCCAG CGCACATTTA TTGAGCCTGG CTTTCAGCCT TCGTGTTGGT	60
GCAGTGTCAG CCCCCGGCTT GAGTTCACCT CCTTGGCCCT GCACTCTNAG TGGCGGCTCG	120

TGGCCTTCGG CACCAGCCAT GGCTTTGGCC TCTTTGAACC ACCAGCAGCG GCGGCAGGTC	180
TTTGTTAAGT GCACACTGCA CCCCAGTNAC CAGCTGGCCT TGGAGGGCCC ACTCTCCCGC	240
GTCAAGTCCC TCAAGAAGTC CTTGCGTCAT NATTCCGCCG GATGCGTCGG NGCCGGGTGT	300
CCAGCCGGAA GCGGCACCCG TTGGCCCCCC AGNAGAGGCA CAGNAGGGGA NTGCCAAGGT	360
TNAGCGGCCA GGCTTCCAGA ACATGGGAGT TTGNGGCTTT	400
(2) INFORMATION FOR SEQ ID NO:1748:	
<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 238 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1748:	
GGAAGACCTG ACGGGCATTG TAAGCTGGGN ANATGCCTGT GNGGCCCGAA ANAGGCCTGG	60
NGTGTACATN CTGGCCTCCA GCTATGCCTC CTGGAATCCA AAGCAAGGTG AACAAANCTC	120
CAGCCTCGTN TGGTGCCCCA AACCCAGGGG TCCCAGCCCG AAAGAAACCT TTTTGGCAGC	180
CACCTGGCCT TAAAGNTNTG CCCCAGCCCA GGGNTTNNTG AGGCCCATCC TTTTCCTG	238
(2) INFORMATION FOR SEQ ID NO:1749:	
<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 389 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1749:	
GGCAGAGNCA GCAGGCACAG TCTCGCCATC TGCATCCATC TTGTTTGGGC TCCCTACCCT	60
TAAAAAGTGC CTCAAATAAT ACCCTGGTGG CCATGGACTT CTCTGGCCAT GCTGGGCGTG	120
TNATTGAAGA AACCCCCGGG AAGGCTCTGA AGTGTGGCCC TGGAGGAGGC CCAGGCCTGG	180
NAGGNAAGAA GACAAACCAC CGCCTTCAGC CTGCCCATGC CAGCCTCCGG NAAGAGCCTC	240
AGTGGCAGCC ATCCACCGNA CCCAACTTTG GTTCCACGGG GCGGCATTTC CCGTGAAGGA	300
GAGCCAGGGT TNATTTGGGA CAGCAGGGTT TNGTTAGACG GNCTGTTCCT GGTNCGGGAA	360
GAGTCANGGG AACCCCCAGG GTTTTGTCC	389
(2) INFORMATION FOR SEQ ID NO:1750:	

.. (i) SEQUENCE CHARACTERISTICS:

<ul><li>(A) LENGTH: 79 base pairs</li><li>(B) TYPE: nucleic acid</li><li>(C) STRANDEDNESS: double</li><li>(D) TOPOLOGY: linear</li></ul>	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1750:	
GGNAGAGCCN AGTCTTAAGT TTTTTTTTT TTTTTTTTTTTTTTTTTT	60
AAAACCCCTT TTTTTTTN	79
(2) INFORMATION FOR SEQ ID NO:1751:	
<ul><li>(i) SEQUENCE CHARACTERISTICS:</li><li>(A) LENGTH: 343 base pairs</li><li>(B) TYPE: nucleic acid</li><li>(C) STRANDEDNESS: double</li></ul>	•
(D) TOPOLOGY: linear	
	•
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1751:	
CAACGNGNGN GGNCCAAGTA AGCAAGGGCG GGCAACTCCG GAGATNCAAC GGGGAGCTGT	60
ACGCCCCGCT GCAGCATGTG AAGCCCCGTG CTGCCCGGGG GGGCGGCCGA ATCGGGCCCG	120
GNNTGCGCAA GGGGGACCGC ATCCTGGAAG GTGAACCACG TGAATTTTGA GGGGGCGACA	180
CACAAGCAGG TGGTGGGACC TNATTCGAGC AGGCGNNNAA GGAATTGAAT CCTTGAACAG	240
TTTTATCTGT ACCTCCTCAT GAGGCAGATT AACCTTAGAT CCCAGTGAAC GGATTCGTTN	300
NGGGACAATT NATTTTAATG NTTTTACAAC AGAAAAGCNA AGG	343
(2) INFORMATION FOR SEQ ID NO:1752:	
<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 101 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
A CONTRACT DESCRIPTION, CEO TO NO.1752.	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1752:	60
GGCANAGCTC GAGTTTTTTT TTTTTTTTTTTTTTTTTTTTTTT	
TTTTTTTTTT TTTTTTTTTTTTTTTTTTTTTTTTTNNNC N	101
(2) INFORMATION FOR SEQ ID NO:1753:	
<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 68 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1753:	
GGAAGANCCC TCTCCCAGTN TCCGAAAGGA AGAGTAATGA CCATTCCGTA CCAGCCCATG	60
CNGGCNAG	68
(2) INFORMATION FOR SEQ ID NO:1754:	٠
<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 299 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1754:	
GGCAGAGACT GGGAAGGAAA GAACATGGCC TGTGTGCAGC GGACGCTTAT GAAATCTGGG	60
TGGGCTGGCA GTAGCCCGAA ATGATGGGCT CTTCTCTGGG GTATCCCAAC TGGTTCCCTA	120
AGAAATCCAA GGTAGAATCC TCGGNAACTT CTCGGATAAC CAGCTGCANG AGGGTCAAGA	180
ACGTGAATCG GGTTACAGAT GGGCACCAAC CGCGGGGCGT CTTCAGGCAG GCATGNACTG	240
GNCTTACGGG AATGCCACGN CAGATCCTTT GAATCCCACC CCAGGCCTTN GCCCCTGNC	299
(2) INFORMATION FOR SEQ ID NO:1755:	
<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 213 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1755:	
GGCANAGGTT TCCCGAAGTA AGTNCCCANA GAGCTGGCTG TGGAACGTTG AAGGACTTGA	60
AANAGCCACC GAAAAATGGG AATCTNTACG AAGGCTCATG AAATATATTT TTAAAAGACT	120
CCATCACCAC GTGGGAAGAA TTCTGNGCTG TGANGCATGT NGGGACAAGA AAGGGAATCT	180
NTNTGGCAAA CCCCTTCAAG GTTCACAGTT ATG	213
(2) INFORMATION FOR SEQ ID NO:1756:	
<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 484 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1756:	
GGCAGAGTGA AAGTCACTGT GGATCGAGCT CACAGGGGGC ACCCATGCCT GTTGTNAACA	. 60
GAGTCTNAAG CAGTCAGGGT GTTGGAATTC CTCTGTTGTT GTNATCAATT CCTGCTGAGG	120
GGTTTCTGGG GTTTTNTTTT TAATAAATGA ACTCCTTTGT AGCCTTTGTN ACATAATCTT	180
CACTTTGGTT GTTGGTACCA AACAGAGCTC CCAGCCATCT CCTCCCTGTT CCTGAAAGAC	240
TAAAAATCCA CTTNCGGACT CTCCCTTCCT TCCTTCTTNA GCCCTCGAGG GTGCATATTA	300
GCTAATTAAG CAGGNCCAGA GNCAGAGAGG GGGGGTTCCA AAATGAANTC GGNTTTAAGG	360
GGCAAGTGNC CATTNATTGG GTTGGAATTA ACGGTTATCC TTCATGGNCC GTAAATCCCA	420
GCATTTTGG GGGGCCCNGG CANGTGGGTC CCNAGGTTGG GGGTTCGGGA CCAACNGGGC	480
CAAC	484
(2) INFORMATION FOR SEQ ID NO:1757:	
<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 213 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
(b) Toronogr. Timear	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1757:	
GGCAGAGCTT TGGAGAGAAG GGAACAGAAG GTGACATCGG CTTCCCTGGG AATAACAGGC	60
GTAANTGGAG TCCACGGCCC TCCAGGGTCG CAGGGAGAGC TGGGGCGAAT TGGAACTGCC	120
TGGTGGCAAA GGAAGATGAT GGCTGGCCGG GAAGCTCCGG GNTTNACCAG GTTTTCCGGG	180
NACTCCGTGG GAATCCGCGG NNTTACACGG ATT	213
(2) INFORMATION FOR SEQ ID NO:1758:	
(i) SEQUENCE CHARACTERISTICS:  (A) LENGTH: 52 base pairs	
(B) TYPE: nucleic acid (C) STRANDEDNESS: double (D) TOPOLOGY: linear	
(C) STRANDEDNESS: double	
(C) STRANDEDNESS: double (D) TOPOLOGY: linear	52

(i) SEQUENCE CHARACTERISTICS:(A) LENGTH: 131 base pairs(B) TYPE: nucleic acid

(C) STRANDEDNESS: double

(D) TOPOLOGY: linear	
	· · · · · · · · · · · · · · · · · · ·
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1759:	
TCCGGNATGT GCCAAAGCTG GTTTTCCTGG GGAACGAACG CTCCCGAAGN NO	GANGTTTCC 60
TTCCATCGTC GGGNGCCCCA AACACCAGGG CCGTGCATGG TGGGTCATGG TI	NCCAGTAAG 120
GACTCCTGAC G	. 131
(2) INFORMATION FOR SEQ ID NO:1760:	
<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 420 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1760:	
GGCAGAGGNA ACCATATACA AGTTCTGCCC GACCATTTGA ACGCAAGGTT G	GAAAGTCCT 60
AAATTCAATC ACAATCTTCT GCCAAGTGNA ACTGGNACAT AAACCTGGAC T	TGTCTTCAA 120
AAACTCCCAC TTCTCCAAAA ACTCTTGTGA AAATCGCACA GTTTGGGCAC A	GCCTNCCTG 180
AGTTTGAACA GTGGAGTTGA AACTTTCTCT ATCCCATGCA GAGGAAGCCT A	AATNATGCA 240
AATAAATAAT TATCCAGCAC AGTGCCTNAA AGCTATTTCC TGTGAAGTCC C	TTTCAGCTG 300
TGGGAAGAG GATGGAAGGA TGGAAGATGG GTNCATAACT GTGGGTGGGC C	ACAANCCCG 360
AGGGNATNNT TTAACAGCAA TGGGGGGGCGT GCTGAGTTCC CTAGGAAACT G	GTGTTTAGT 420
	420
(2) INFORMATION FOR SEQ ID NO:1761:	
<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 180 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
( ) CONTROL DESCRIPTION OF TO NO. 1761	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1761:	PAACTCGAGC 60
GGCANAGTAA GAACAGGGTG ATTTTNAATC AGAGAAACTC TGGGAACGGG T	
CATAAATGCC AAAGACCAAA CTGAAGCTAC CCAAGAGAAG TATGTTTTGG	
AAGACAAGCT GCCACGGATC GGAANACANA AANTGTNAGA GTGGTCTTTC	
	180

(2) INFORMATION	FOR	SEQ	ID	NO:1762
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- (i) SEQUENCE CHARACTERISTICS:
  - (A) LENGTH: 292 base pairs
  - (B) TYPE: nucleic acid
  - (C) STRANDEDNESS: double
  - (D) TOPOLOGY: linear

#### (xi) SEQUENCE DESCRIPTION: SEQ ID NO:1762:

GGCAGAGAGN	ATGCTTCCTT	TAAATACCAA	TATTCGACTT	GCGTACTCAA	ATGGAAAAGA	60
TGATGAACAG	AACTTCATTC	AAAATCTCAG	TTTGTTTCTC	TGCACCTTTC	TTAAGGAACA	120
TGNTCAACTT	GATGAGGAAA	AAAGGTTAAA	TCTCAGGGAA	ACTCTTATGG	GAGGCCCTTN	180
CATTATATGT	TGTTGGGTAT	CTGGAAGTGA	GNAAGAAACT	GGAAAATTCT	TTGAAAATTT	240
GTNCTTGGAA	TGACTGGNAA	TCCATNTAGG	GCTGGCTGGA	ACNCTATAGG	AG	292

#### (2) INFORMATION FOR SEQ ID NO:1763:

- (i) SEQUENCE CHARACTERISTICS:
  - (A) LENGTH: 414 base pairs
  - (B) TYPE: nucleic acid
  - (C) STRANDEDNESS: double
  - (D) TOPOLOGY: linear

#### (xi) SEQUENCE DESCRIPTION: SEQ ID NO:1763:

GGCAGAGNAG	AAGTTTAAGA	TCAAGCTCAT	GAGTNANTTG	GTCAGCAATG	GCGTCCAGAT	60
ATACCANTTC	CCAACGGATG	ATGACACTAT	TGCNANGGTC	AACGCTGCAA	TGAAATGGNA	120
CAGTTGCCGT	TTGCTGTTGT	GGGAAGTATG	GTTGAGGTAA	AAGTCGGAAA	CAANTGGTCA	180
AAGCTCGCCA	GTTACCCTTG	GGGTGTTGTA	CAAGTGGAAA	ATGAAAACCA	CTGTGAACTT	240
TGTAAAAGCT	GCGGGAAATG	CTCCATTTGT	ACAAATATGG	NGGTNCCTGC	GNGAGNAANC	300
CCATACCAGG	CACTATGAGG	TTTTACAGGC	GCTGCAANCT	GGAGGAAATG	GGGTTTTACA	360
GTGTGGGCCC	AGNAAANCAA	GCCATTCATT	TTTCAGGGGA	CNTTGNGGCC	AAAG	414

## (2) INFORMATION FOR SEQ ID NO:1764:

- (i) SEQUENCE CHARACTERISTICS:
  - (A) LENGTH: 137 base pairs
  - (B) TYPE: nucleic acid
  - (C) STRANDEDNESS: double
  - (D) TOPOLOGY: linear
- (xi) SEQUENCE DESCRIPTION: SEQ ID NO:1764:

AATGGCGGNA AATTNTTGAT TACAAGGNTA TTNAGCTTAG TTGGAAAGCA AGAAATTTCA	60
ACTTTTTATT GTTTAGAGCN TCATAAAGTT TTGTGAAAGA GNGAAGNATT TTTGGTTCCA	120
AGNTTATATG GTTNGGG	137
(2) INFORMATION FOR SEQ ID NO:1765:	•
<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 309 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1765:	
GGCAGANAAG TNTAAATGCA CATNANTGGC AGCTTATAGA GAACCACCTT GTAACCAGTA	60
TACAGGTACA ACTACAGCTC TTCAGAAATT GGAAGGTTTT GCTAGCCGGT TATTTCATAG	120
ACACTCTAAA GGTACTGCNA CATGAATCAG AAAACAGCTC TGGNAAAATG AACAGCCTTT	180
CATTTCTTTG AAACATACTG CCTTTATGGG AACAGATTCA ATGNAAAGAN TTTCTAGCCA	240
AAGCCAAAGA AGGACTTTTT GAAAAAAATG GGGNGATTCC AACTCNGAAG TTAATGCCGG	300
ACTTGNAAG	309
(2) INFORMATION FOR SEQ ID NO:1766:	
<ul><li>(i) SEQUENCE CHARACTERISTICS:</li><li>(A) LENGTH: 284 base pairs</li><li>(B) TYPE: nucleic acid</li><li>(C) STRANDEDNESS: double</li><li>(D) TOPOLOGY: linear</li></ul>	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1766:	
GGCAGAGGGC ANCATCCACA ATAAAGAGAA GCCATTTAAG TNTCACTTAT GTAATAGGTG	60
TTTTGGTCAA CAAACCANTT TAGACAGNCA CCTAAAGAAA CATGAGAATG GGAAACATGT	120
TCCGGTACAG CAACANCGTC GACTCATTCT AAACTNGTAA AGTACAGGTG NGAATTCTGG	180
TTGTACAAAG ATGAATGNTT ACTTTCACAG AAATTCCGAA ATTTCATTGG GNAACANCAA	240
CCATGGGCAG CCAATCTCCC AGGTATTNTG GGTGGAGAGN ATGA	284
(2) INFORMATION FOR SEQ ID NO:1767:	
<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 380 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	

# (xi) SEQUENCE DESCRIPTION: SEQ ID NO:1767:

GGCAGAGCTC	GTCNTNNGNN	ATCAAAAGAA	ATTTGGTTGC	CACCCCCACA	GTTCTACGAA	60
GGAGNAAGAC	TTGCAAACTT	TGCCTCTCTC	TCTGACTTGC	ACAAATTTTG	TTTGGGTCGT	120
GCATTAGAAG	GACTGGTAAA	GGTGGCTGCC	GATCATCTNG	TTAACTGCTG	ATGGGATGGT	180
CCATCTTTTA	CCAGGTGATG	AGCTATATTT	AGAAGATTCA	NACTTTTTGG	AAAATCTTAT	240
GTCTACTGAA	AAAAAGACTG	AGGAAATCAT	GAAGGAAGGC	AAGCAGTTTC	ACCGGGNTAG	300
TGACATACCA	TCGNCACCTT	TATGGATATC	CCCGNGGACT	GTTCCAGCCA	AAGTTTTAAA	360
CCAGGTTTTT	CCNCANGAAC	·	· .			380